



EQUIPMENT ROOM GRATING PLATFORM ADDITION

NEW YORK TRACON BASE BUILDING
WESTBURY, NY

DECEMBER 17, 2010



SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE	OF
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION GENERAL COVER SHEET					
WESTBURY (NY TRACON) NY					
REVIEWED BY	SUBMITTED BY		APPROVED BY		
DESIGNED	ISSUED BY		DATE	12/17/2010	JCN 82514
DRAWN	CRK	ATLANTA TERMINAL ENGINEERING CENTER		DRAWING NO	N90-TRACON-C000
CHECKED	AI	REV			

7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328

HEI JOB NUMBER: 09019.02

HARTRAMPF

DRAWING NUMBER

GENERAL

N90-TRACON-G000
N90-TRACON-G001
N90-TRACON-G010
N90-TRACON-G011
N90-TRACON-G015

TITLE

COVER SHEET
DRAWING INDEX
ABBREVIATIONS
ABBREVIATIONS
SYMBOL LEGEND

CIVIL

N90-TRACON-C100

SITE PLAN WATER DISTRIBUTION

STRUCTURAL

N90-TRACON-S001
N90-TRACON-S002
N90-TRACON-S003

SECOND FLOOR FRAMING PLAN ABOVE NEW GRATING PLATFORM
DETAILS
DETAILS

ELECTRICAL

N90-TRACON-E001
N90-TRACON-E002

GRATING PLATFORM POWER PLAN
GRATING PLATFORM LIGHTING PLAN AND DETAIL


FIRE PROTECTION

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N90-TRACON-F001
N90-TRACON-F100
N90-TRACON-F101
N90-TRACON-F200
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SPRINKLER SYSTEM GENERAL NOTES AND LEGEND
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FIRST FLOOR PLAN EXISTING UPPER LEVEL PREACTION SYSTEM ROOM 165
FIRST FLOOR PLAN NEW LOWER LEVEL PREACTION SYSTEM ROOM 165
FIRST FLOOR PREACTION FIRE DETECTION PLAN
FIRE ALARM PREACTION SYSTEM MATRIX
DETAILS
DETAILS

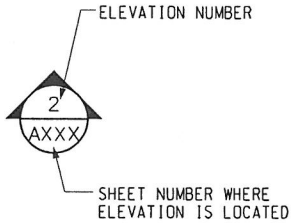
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		CHECKED		AI						N90-TRACON- G001			
7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328													
HEI JOB NUMBER: 09019.02													

N	NORTH, NEUTRAL	RL	RAIN LEADER	U	UNIFORM BUILDING CODE
NA	NOT APPLICABLE	RM	ROOM	UBC	UNDERCUT
NC	NOISE CRITERIA	RMH	ROOF MOUNTED HOOD	UC	UNDERGROUND
N.C.	NORMALLY CLOSED	RML	RADAR MICROWAVE LINK	UGP	UNDERGROUND POWER
NEC	NATIONAL ELECTRIC CODE	RMS	ROOT MEAN SQUARE	UH	UNIT HEATER
NEG	NEGATIVE	RO	REVERSE OSMOSIS	UL	UNDERWRITER'S LABORATORY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION	RP BP	REDUCED PRESSURE BACKFLOW PREVENTER	UNF	UNFUSED
NFHB	NON-FREEZE HOSE BIB	RPW	ROTATIONS PER MINUTE, REVOLUTIONS PER MINUTE	UND	UNLESS NOTED OTHERWISE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	RPZ	REDUCED PRESSURE ZONE	UON	UNLESS OTHERWISE NOTED
NG	NATURAL GAS	RPZ BFP	REDUCED PRESSURE ZONE BACKFLOW PREVENTOR	UPC	UNIFORM PLUMBING CODE
NIC	NOT IN CONTRACT	ROMTS	REQUIREMENTS	UPS,U	UNINTERRUPTIBLE POWER SUPPLY
NK	NECK	RTN	RETURN	UTIL	UTILITY
NO	NUMBER OF DESIGNATION	RTU	ROOF TOP UNIT		
N.O.	NORMALLY OPEN	RV	RELIEF VALVE		
NOM	NOMINAL			V	VOLT, VOLTAGE, VENT
NTE	NOT TO EXCEED	S	SOUTH, STAIN COLOR, SANITARY	VA	VOLT AMPERE, VOICE ALARM
NTS	NOT TO SCALE	SA	SUPPLY AIR	VAC	VACUUM / VOLTS ALTERING CURRENT
		SAN	SANITARY	VAV	VARIABLE AIR VOLUME
O	OUTSIDE AIR	SC	SPIN IN COLLAR WITH VOLUME DAMPER, SENSIBLE COOLING	VB	VACUUM BREAKER
OA	OUTSIDE AIR FAN	S.C.	SOLID CORE	VCT	VINYL COMPOSITE TILE
OAF	OPPOSED BLADE DAMPER	SCC	SECURITY CONTROL CENTER	VD	VOLUME DAMPER - MANUAL
OB	ON CENTER	SCHED	SCHEDULE	VDC	VOLTS DIRECT CURRENT
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN	SCHWP	SECONDARY CHILLED WATER PUMP	VDT	VIDEO DISPLAY TERMINAL
ODP	OPEN DRIP PROOF	SCHWR	SECONDARY CHILLED WATER RETURN	VENT	VENTILATION
OE	OPEN END	SCHWS	SECONDARY CHILLED WATER SUPPLY	VERT	VERTICAL
OH	OPPOSITE HAND, OVERHEAD	SCND	SECONDARY	VEST	VESTIBULE
OPNG	OPENING	SCP	SYSTEM CONTROL PANEL, SMOKE CONTROL PANEL	VFD	VARIABLE FREQUENCY DRIVE
OPP	OPPOSITE	SD	SPLITTER DAMPER STORM DRAIN, SMOKE DETECTOR	VM	VOLTMETER
ORD	OVERFLOW ROOF DRAIN	S.D.	SUPPLY DIFFUSER	VPF	VESTIBLE PRESSURIZATION FAN
ORL	OVERFLOW ROOF LEADER	SEC	SECONDARY	VTR	VENT THROUGH ROOF
OSA	OUTSIDE SUPPLY AIR	SECT	SECTION		
OSCO	OUTSIDE CLEANOUT	SENS	SENSIBLE	W	WEST, WIDTH, WATT
OVHD	OVERHEAD	SF	SQUARE FEET	W/	WITH
OZ	OUNCES	SG	SUPPLY GRILLE	W/O	WITHOUT
		SGL	SINGLE	WB	WET BULB
P	POLE, PAINT, PUMP	SHDWN	SHUT DOWN	WC	WATER COLUMN, WATER CLOSET, WALL COVERING
P	PRIVATE AUTOMATIC BRANCH EXCHANGE	SHLD	SHIELDED	WCO	WALL CLEANOUT
PABX	PARTITION	SHT	SHEET	WG	WATER GAUGE
PART	PULL BOX	SIM	SIMILAR	WH	WATER HEATER, WALL HEATER, WALL HYDRANT
PB	POUNDS PER CUBIC FOOT	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION	WHA	WATER HAMMER ARRESTER
PCF	PRIMARY CHILLED WATER RETURN	SOV	SHUT-OFF VALVE	WM	WATT METER
PCHWR	PRIMARY CHILLED WATER SUPPLY	SP	STATIC PRESSURE(IN W.G.), SINGLE POLE, SUMP PUMP	WMS	WIRE MESH SCREEN
PCMS	POWER CONTROL MONITORING SYSTEM	SPEC	SPECIFICATION	WP	SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA TYPE 3R OR EQUIVALENT, UON
PCS	POWER CONDITIONING SYSTEM	SPF	STAIRWELL PRESSURIZATION FAN	WPD	WATER PRESSURE DROP
PD	PRESSURE DROP	SPST	SINGLE POLE SINGLE THROW	WSW	WASHDOWN SUPPLY WATER
PF	POWER FACTOR	SPT	STATIC PRESSURE TRANSMITTER	WT	WATER TANK
PFD	PERFORATED FACE DIFFUSER	SPVR	SUPERVISORY CONDITION	WTR	WATER
PFR	PERFORATED FACE RETURN	SO	SQUARE	WWF	WELDED WIRE FABRIC
PH	ELECTRICAL PHASE	SO.FT.	SQUARE FOOT/FEET		
PI	PRESSURE INDICATOR	SR	SUPPLY REGISTER	X	AUXILIARY RELAY
PIU	POWER INDUCTION UNIT	SRG	SIGNAL REFERENCE GRID	X	TRANSFER
PL	PLATE	SS	STAINLESS STEEL, SANITARY SEWER	XFR	TRANSFORMER
PLBG	PLUMBING	S/S	START-STOP	XMTR	TRANSMITTER
PLCS	PLACES	ST	SHUNT TRIP	XDCR	TRANSDUCER
PLYWD	PLYWOOD	STD	STANDARD		
PM	POWER MANHOLE	STGP	SIGNAL TRANSPORT GROUND PLANE		
PMB	POWER MIXING BOX	STL	STEEL	Y	WYE
PNL	PANEL, PANELBOARD	STP	SHIELDED TWISTED PAIR	Y-	WYE DELTA
P.O.C.	POINT OF CONNECTION	STRUCT	STRUCTURAL		
POS	POSITIVE, POSITION	SUBJ	SUBJUNCTION		
PP	POWER POLE, PATCH PANEL	SUSP	SUSPENDED		
PREFAB	PREFABRICATED	SW	SWITCH	Z	IMPEDANCE
PRESS	PRESSURE	SWBD	SWITCHBOARD		
PRMY	PRIMARY	SWG	SIDEWALL GRILLE		
PRSR	PRESSURIZATION	SWGR	SWITCHGEAR		
PROP	PROPELLER	SWR	SIDEWALL REGISTER		
PRV	PRESSURE REDUCING VALVE	SWSI	SINGLE WIDTH SINGLE INLET		
PS	PRESSURE SWITCH	SWSR	SIDE WALL SUPPLY REGISTER		
PSF	POUNDS PER SQ. FOOT	SYM	SYMMETRICAL		
PSI	POUNDS PER SQ. INCH	SYS	SYSTEM		
PSIA	POUNDS PER SQ.IN. ABSOLUTE				
PSIG	POUNDS PER SQ.IN. GAUGE	T	TRANSDUCER		
PT	PRESSURE TRANSMITTER, PRESSURE-TEMPERATURE PORT	T	TOP AND BOTTOM		
PTAC	PACKAGED TERMINAL AIR CONDITIONER	T&B	TEMPERATURE AND PRESSURE		
PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVATURE	T&P	TEMPERATURE AND PRESSURE		
PVMT	PAVEMENT	TB	TERMINAL BOX, TERMINAL BOARD		
		TC	TRIP COIL, TOTAL COOLING, TIME CLOCK		
O	QUARTER	TD	TIME DELAY, TRENCH DRAIN		
QUA		TEF	TOILET EXHAUST FAN		
		TEL	TELEPHONE		
R	RED, RISER, RADIATOR, RADIUS, REFRIGERANT	TELCO	TELEPHONE COMPANY		
RA	RETURN AIR, REMOTE ANNUNCIATOR	TEMP	TEMPERATURE		
RACP	REMOTE ACCESS CONTROL PANEL	TERM	TERMINAL		
RAD	RADIUS	TG	TRANSFER GRILLE		
RAG	RETURN AIR GRILLE	THK	THICK, THICKNESS		
RAR	RETURN AIR REGISTER	TOC	TOP OF CONCRETE		
RB	RUBBER BASE	TOD	TOP OF DUCT		
RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN	TOS,T/S	TOP OF STEEL		
RD	ROOF DRAIN	TOWB	ATCT AND ATTACHED BASE BUILDING		
RDF	RUBBER RAISED DISK FLOOR	TP	TRAP PRIMER, TWISTER PAIR		
RE	RESIDENT ENGINEER	TRBL	TROUBLE CONDITION		
REBAR	REINFORCING STEEL BAR	TRACO	TERMINAL RADAR APPROACH CONTROL BUILDING		
REC	RECEPTACLE	TS	TWO SPEED		
REC'D	RECEIVED	TSP	TOTAL STATIC PRESSURE, TRAP SEAL PRIMER		
RECP	RECEPTACLE	T*STAT	THERMOSTAT		
RECT	RECTIFIER, RECEPTACLE	TT	TEMPERATURE TRANSMITTER		
REF	REFERENCE	TTB	TELEPHONE TERMINAL BOARD		
REG	REGISTER	TV	TELEVISION, TEMPERING VALVE		
REG INF	RE INFORCEMENT, REINFORCED	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR (GFM)		
REQ'D	REQUIRED	TYP	TYPICAL		
RET	RETURN	TW	TEMPERED WATER		
REV	REVISION				
RF	RETURN FAN				
RFI	RADIO FREQUENCY INTERFERENCE				
RG	RETURN GRILLE				
RGS	RIGID GALVANIZED STEEL				

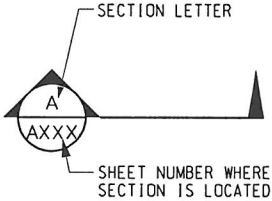
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<div style="display: flex; justify-content: space-between;"> <div>  <p>7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328</p> <p>HEI JOB NUMBER: 09019.02</p> </div> <div> <p>DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</p> <p>NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION GENERAL ABBREVIATIONS</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div> <p>WESTBURY (NY TRACON)</p> <p>REVIEWED BY</p> <p>DESIGNED</p> <p>DRAWN</p> <p>CHECKED</p> </div> <div> <p>SUBMITTED BY</p> <p>ISSUED BY ATLANTA TERMINAL ENGINEERING CENTER</p> <p>DATE 12/17/2010</p> <p>DRAWING NO</p> </div> <div> <p>APPROVED BY</p> <p>JCN 82514</p> <p>N90-TRACON-C011</p> </div> </div>							

GENERAL SYMBOL LEGEND:

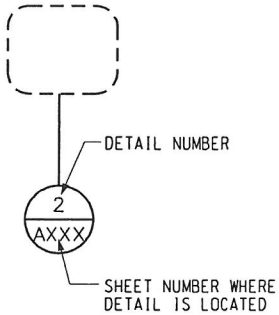
ELEVATION



SECTION



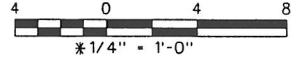
DETAIL



DETAIL TITLE



ARCHITECTURAL
GRAPHIC SCALE




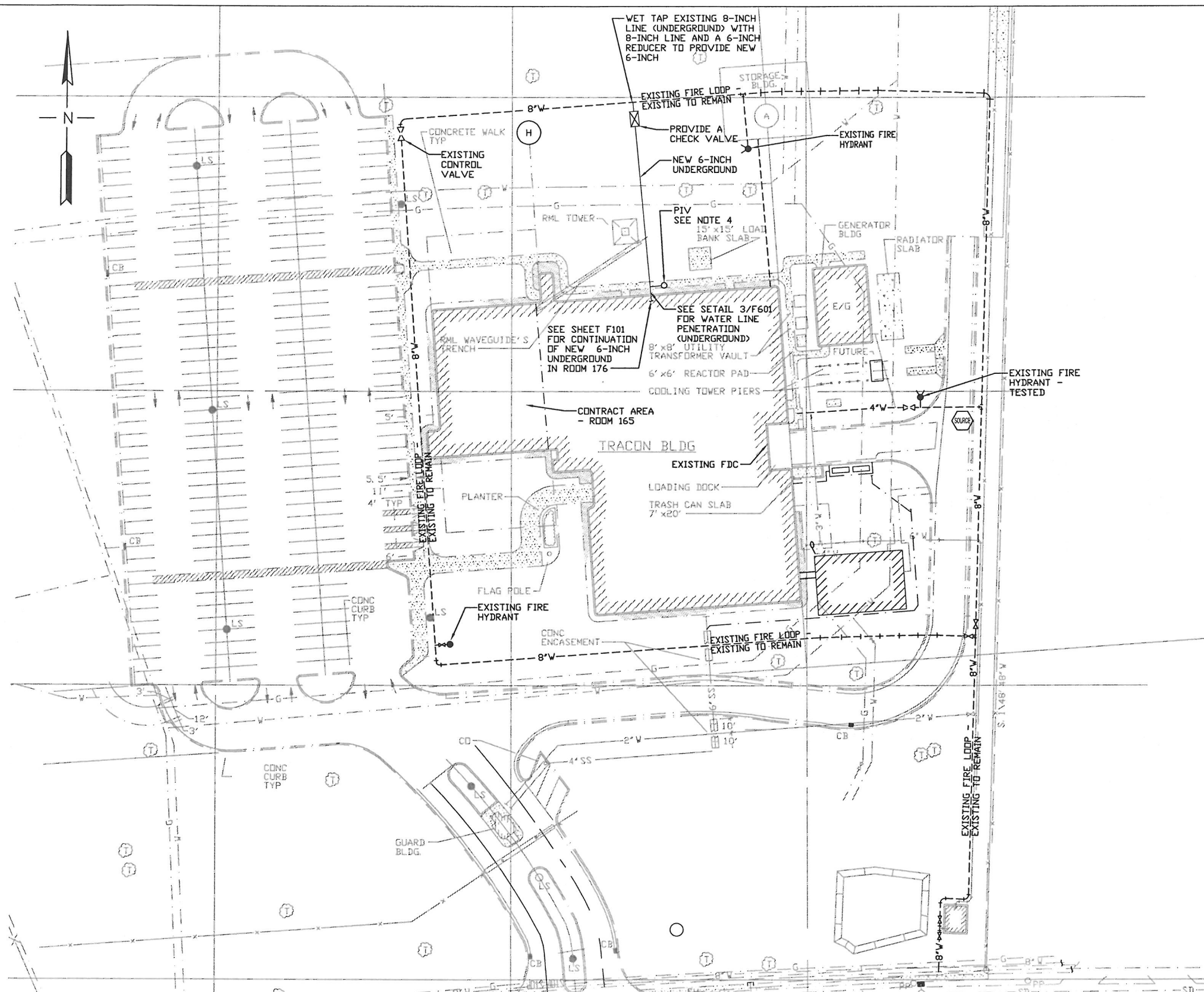
ENGINEERING
GRAPHIC SCALE



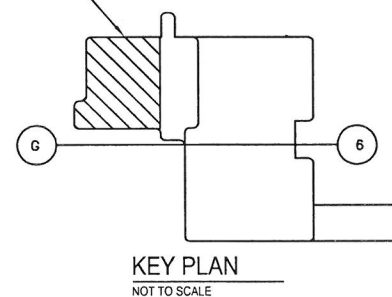
NOTES

1. FOR ABBREVIATIONS REFERENCE DRAWINGS G010 & G011.
2. SCALES SHOWN INDICATE APPROXIMATE DIMENSIONS. DO NOT SCALE DRAWINGS FOR PRECISE DIMENSIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT CATALOG NUMBERS ON ALL DRAWINGS MATCH WITH MATERIAL DESCRIPTIONS INDICATED.

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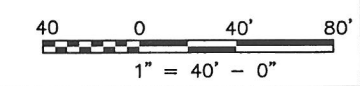


1 SITE PLAN WATER DISTRIBUTION
C100 SCALE: 1"=40'-0"



NOTES

1. THIS DRAWING IS FOR BID PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, EXISTING UNDERGROUND PIPE TYPE, PIPE SIZES AND PIPE LENGTHS FOR PURPOSE OF HYDRAULIC CALCULATIONS. CONTRACTOR SHALL COORDINATE WITH SITE UTILITIES TO VERIFY AND LOCATE ALL EXISTING UNDERGROUND EQUIPMENT BEFORE EXCAVATION OF NEW 6-INCH UNDERGROUND HAS STARTED.
2. SEE FIRST FLOOR PLAN FOR LOCATION OF NEW 6-INCH PRE-ACTION VALVE/ENCLOSURE TO COORDINATE WITH NEW UNDERGROUND WATER SUPPLY AND OTHER ASSOCIATED EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH FAA/OWNERS REPRESENTATIVE FOR DEMOLISH OF THE EXISTING 4-INCH PREACTION VALVE CABINET..
3. SEE CIVIL SITE PLAN FOR EXACT LOCATION OF NEW 6-INCH UNDERGROUND PIPE FOR THE NEW PREACTION SYSTEM SERVING EQUIPMENT ROOM #165. ALL NEW UNDERGROUND PIPE SHOWN IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. FAA/OWNERS REPRESENTATIVE SHALL PROVIDE THE CONTRACTOR WITH AN APPROVED LOCATION FOR INSTALLATION OF THE UNDERGROUND PIPE.
4. PROVIDE A NEW POST INDICATOR VALVE (PIV) PER AUTHORITY REQUIREMENTS ON NEW 6-INCH LINE.



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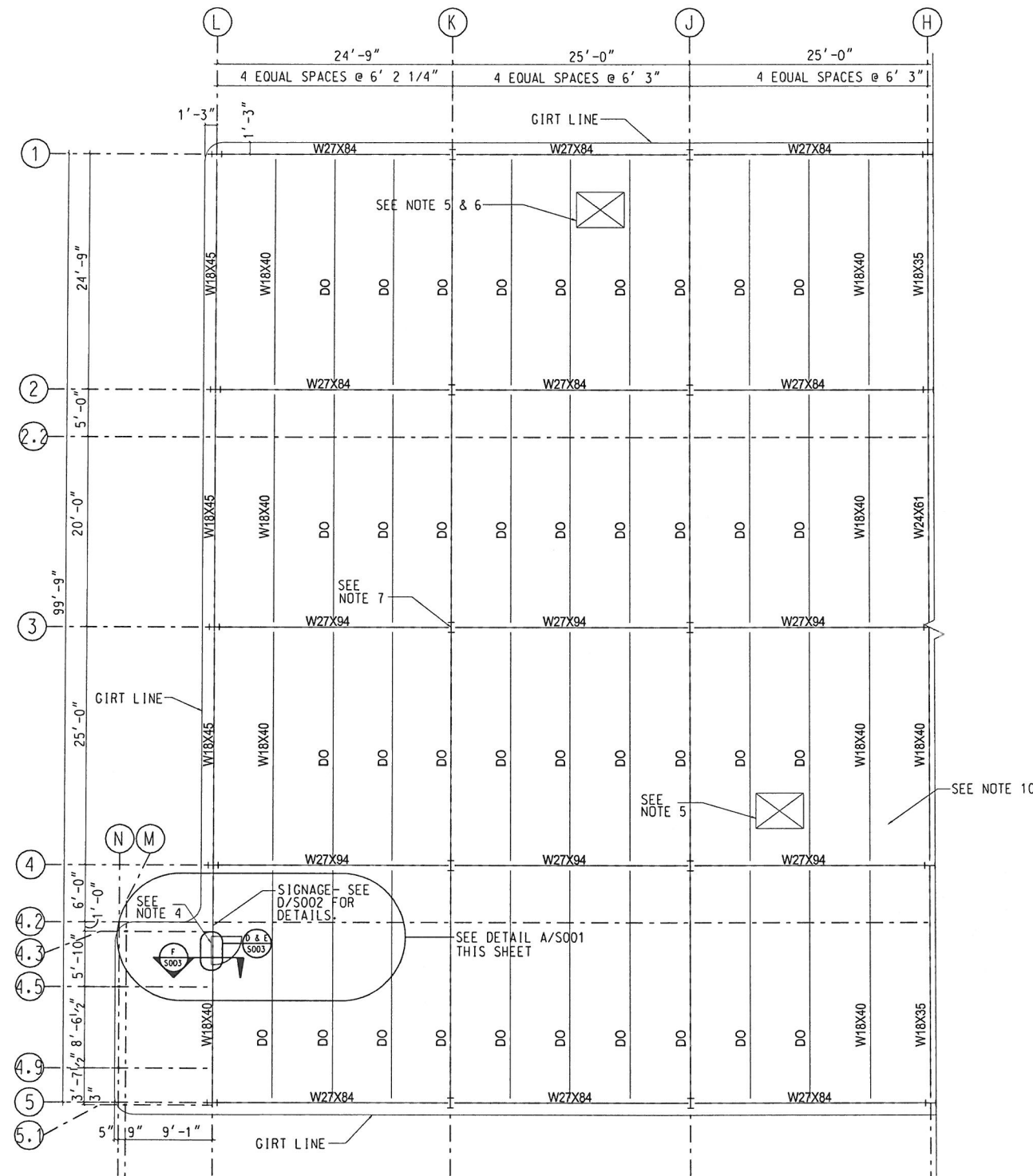

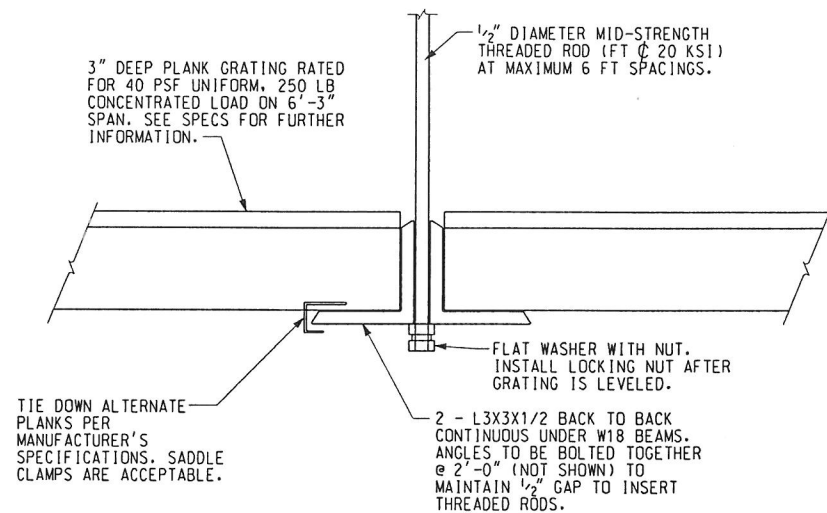


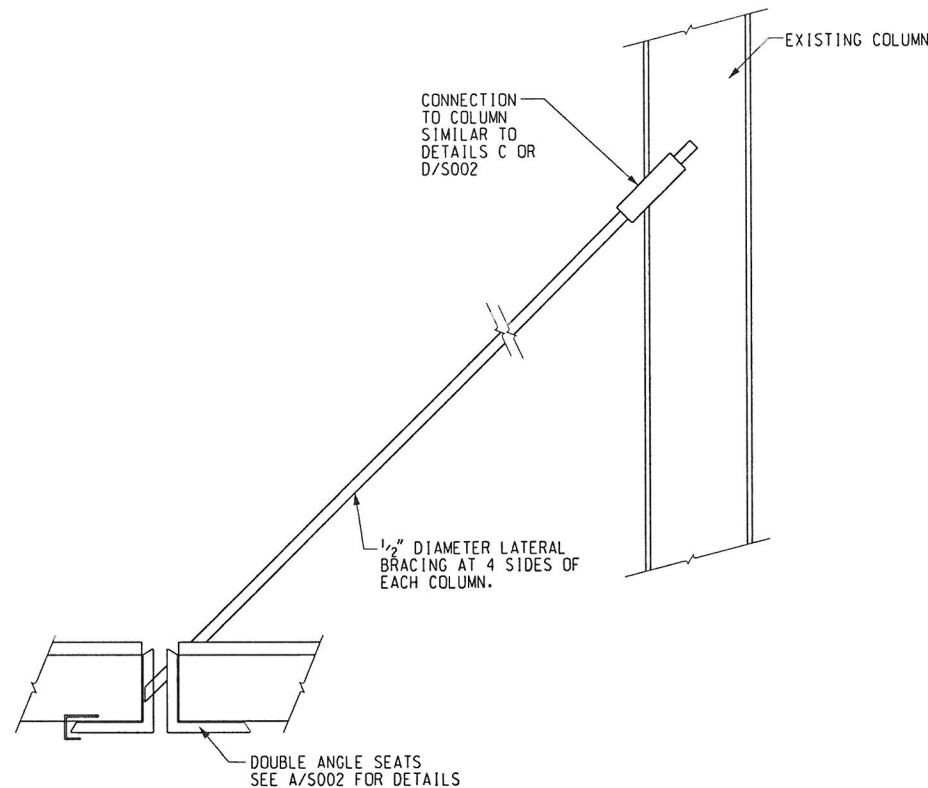
Diagram illustrating a proposed stairway layout. The layout includes a 3' door, a 3.5' x 3.5' landing (existing), a rail, and 5 steps. The stairs are labeled "UP".

1. GRATING TO BE INSTALLED ABOVE ENTIRE EQUIPMENT ROOM AT 13'-4" AFF. SEE SPECIFICATIONS FOR GRATING INFORMATION.
2. HANGER SUPPORTS SHALL BE PLACED NO FARTHER THAN 6'-0" APART. HANGER CONNECTIONS SHALL BE ATTACHED TO EXISTING SECOND FLOOR BEAMS ABOVE THE EQUIPMENT ROOM, NOT TO CONCRETE SLAB. HANGERS SHALL BE POSITIONED AT LEAST 18" AWAY FROM OTHER GRATING HANGERS OR OTHER MULTIPLE EXISTING HANGERS WITHIN A 12" SPAN. REPOSITIONING OF EXISTING CABLE TRAY OR DUCT WORK HANGERS MAY BE NECESSARY. NO EQUIPMENT, LIGHTS, ETC. SHALL BE HUNG FROM THE ELEVATED GRATED FLOOR.
3. FIELD CUT OPENINGS IN GRATING TO ALLOW CABLES AND DUCTWORK TO PASS THROUGH WITHOUT COMPROMISING THE STRENGTH OF THE GRATING SPAN. NO OPENINGS SHALL HAVE GREATER THAN 4" CLEARANCE AROUND CABLES OR DUCTWORK.
4. INSTALL 2 HR FIRE RATED ACCESS DOOR AT EXISTING STAIRWELL. DOOR SWING AND SHALL NOT IMPEDE THE PATH OF EGRESS.
5. INSTALL HATCH DOOR IN GRATING FLOOR. SEE DETAILS F/S002, A/S003, B/S003, AND C/S003 FOR MORE INFORMATION.
6. INSTALL A HOIST ABOVE THE HATCH DOOR OPENING RATED FOR 500 LBS. THE HOIST SHALL BE MOUNTED ABOVE THE CENTER OF THE HATCH OPENING. SEE DETAIL G/S002 FOR MORE DETAILS.
7. INSTALL 1/2" DIAMETER RODS FOR LATERAL BRACING AT 45 DEGREES ON 4 SIDES OF EACH COLUMN. SEE DETAIL B/S002 FOR FURTHER INFORMATION.
8. APPLY LOW CLEARANCE WARNING TAPE ON ALL DUCTWORK, EQUIPMENT, HANGERS, ETC. LOWER THAN 6'-8" ABOVE THE GRATING FLOOR. INSTALL BUMP GUARDS ON ALL CABLE TRAY AND THREADED ROD ENDS WHICH EXTEND BELOW 6'-8" ABOVE THE GRATED FLOOR.
9. SEE SPECIFICATIONS SECTION 01 10 00 FOR STAGING INFORMATION.
10. THE GRATED FLOOR SHALL "STEP-UP" TO GO OVER AC DUCT AND REACH EAST WALL OF EQUIPMENT ROOM IN ORDER TO ACCESS THE POWER PANELS. PROVIDE TWO SETS OF STEPS AS NECESSARY WITH A MAXIMUM RISER OF 7" AND TREAD DEPTH OF 11". PROVIDE HANDRAILS AT EDGE OF RAISED AREA. SEE DETAIL C/S003.
11. CONTRACTOR SHALL NOTIFY FAA IF EXISTING BUILDING TRAY SYSTEMS ARE IMPACTED BY THE ELEVATED GRATED FLOOR PRIOR TO INSTALLATION. TRAYS SHALL BE MODIFIED OR SUPPORTED AS DIRECTED BY FAA TO MAINTAIN THEIR PURPOSE.
12. CONTRACTOR SHALL PROVIDE TWO (2) SIX FOOT TALL FIBERGLASS LADDERS TO THE FAA AT THE END OF THE PROJECT FOR USE ON GRATED FLOORING.
13. CONTRACTOR SHALL PROVIDE SIX (6) HARD HATS AND STORAGE RACKS TO THE FAA PLACED NEAR THE ACCESS DOOR AT THE END OF THE PROJECT FOR USE ON GRATED FLOOR.
14. CONTRACTOR SHALL REPAIR / REPLACE ALL FIRE PROOFING (TROWEL ON) NOT JUST AT NEW CONNECTIONS.

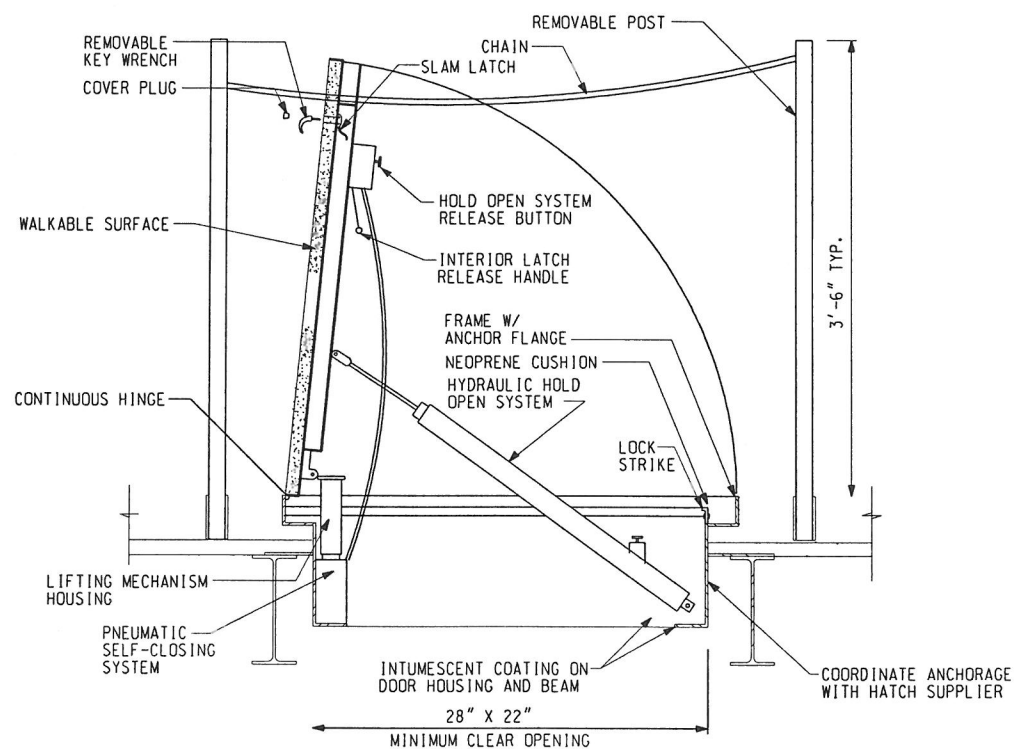
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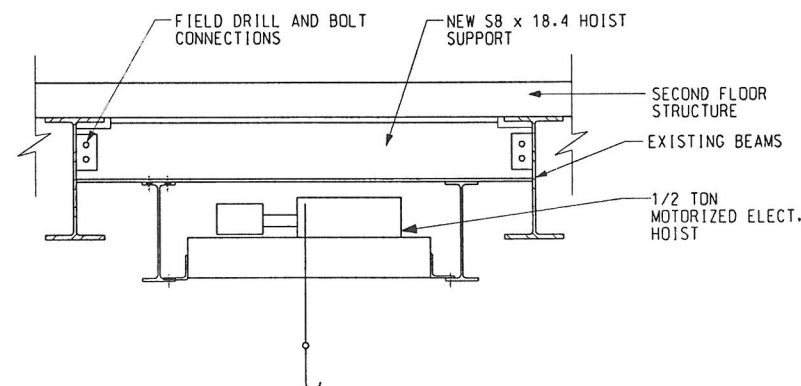
A GRATING DETAIL
S002 SCALE: NONE



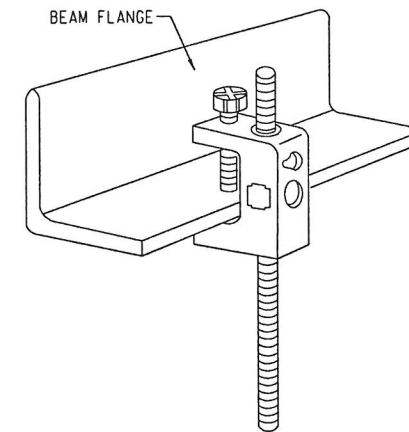
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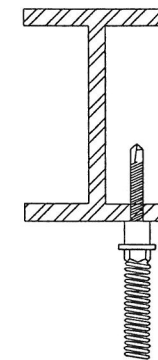
F ACCESS FLOOR HATCH
S002 SCALE: NONE



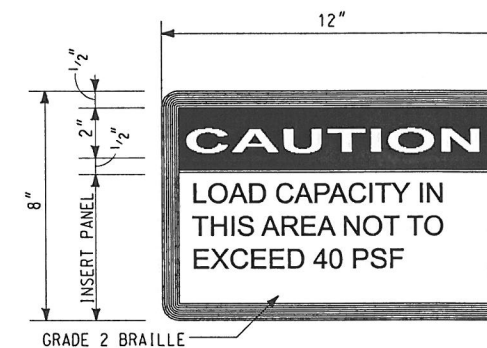
G HOIST DETAIL
S002 SCALE: NONE



C ACCEPTABLE HANGER CONNECTION
S002 SCALE: NONE



D ACCEPTABLE HANGER CONNECTION
S002 SCALE: NONE

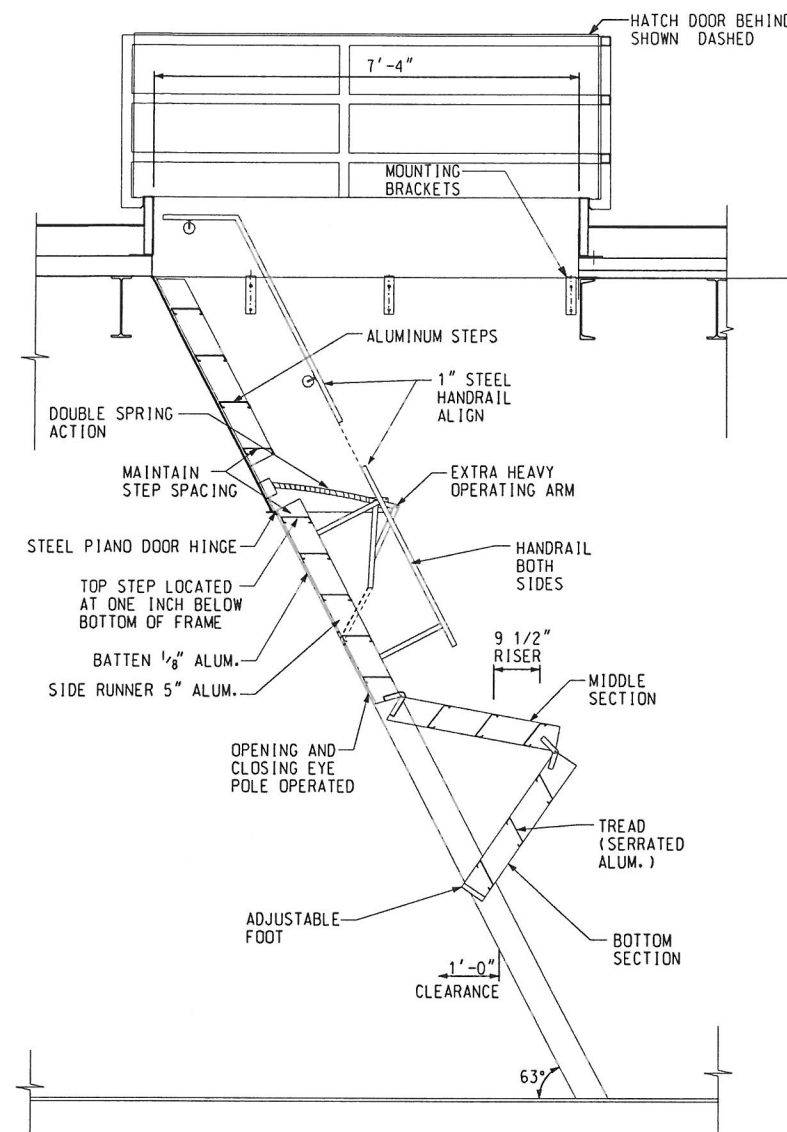


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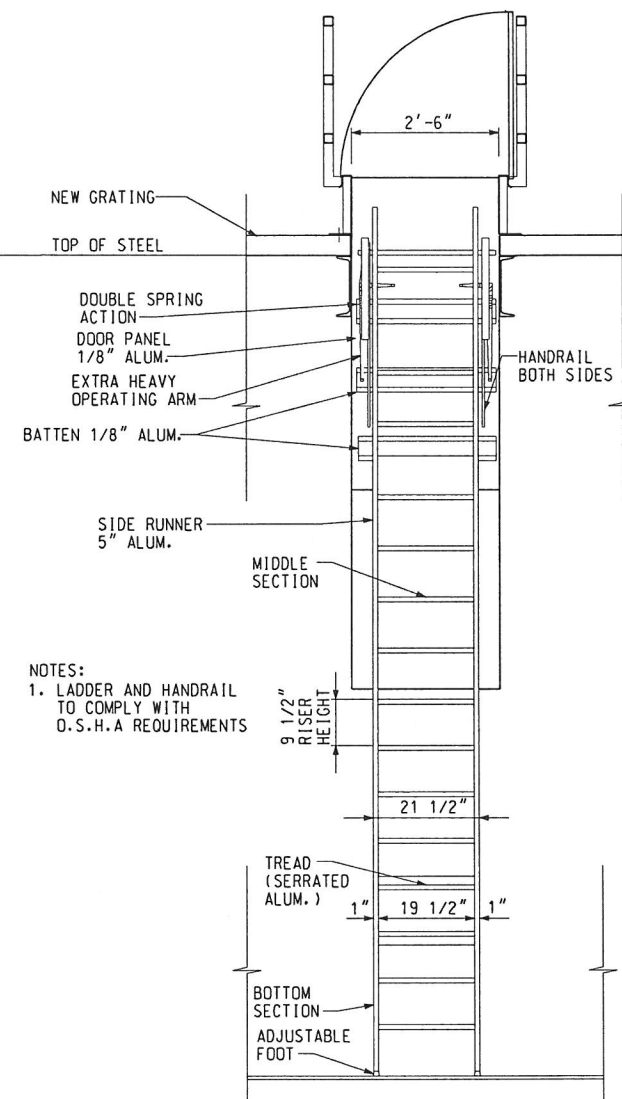
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<p>DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</p> <p>NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION STRUCTURAL DETAILS</p> <p>WESTBURY (NY TRACON) NY</p> <p>DESIGNED RAB DRAWN CLK CHECKED AI</p> <p>ISSUED BY ATLANTA TERMINAL ENGINEERING CENTER</p> <p>DATE 12/17/2010 JCN 82514</p> <p>DRAWING NO. N90-TRACON-S002</p>								



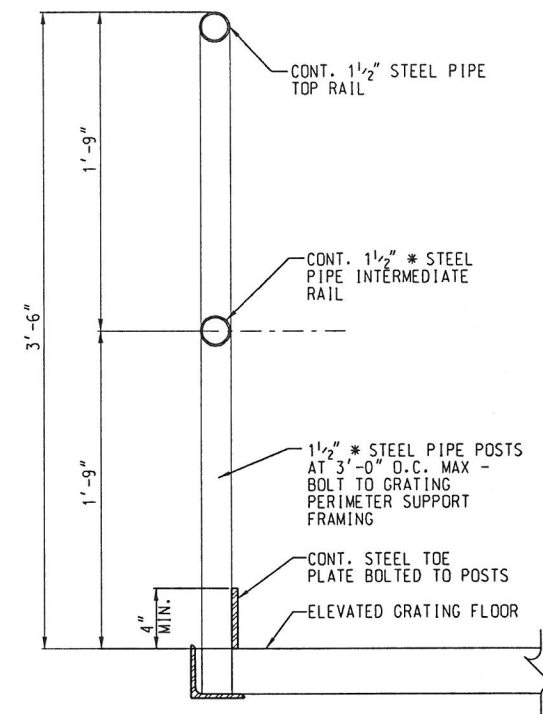
7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328
HEI JOB NUMBER: 09019.02



A SECTION AT HATCH ACCESS LADDER
S003 SCALE: NONE

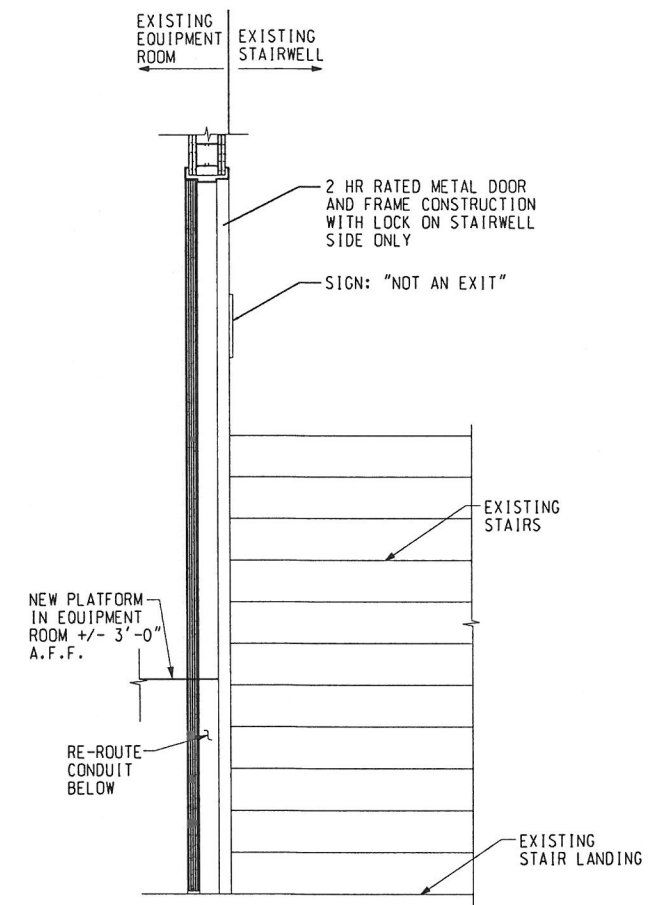


B SECTION AT HATCH ACCESS LADDER
S003 SCALE: NONE

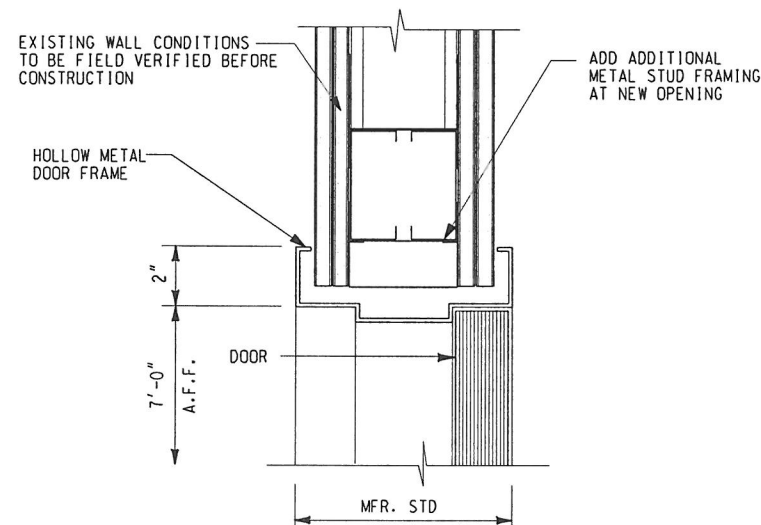


NOTE:
PER OSHA, GUARDRAILS SHALL BE DESIGNED TO
WITHSTAND A 200 LB. CONCENTRATED LOAD
APPLIED IN ANY DIRECTION AND AT ANY POINT
ON THE TOP RAIL.

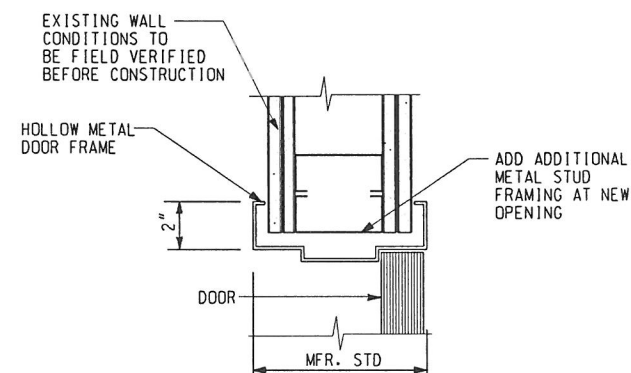
C GUARDRAIL DETAIL
S003 SCALE: NONE



F WALL MOUNT DOCK LADDER DETAIL
S003 SCALE: NONE



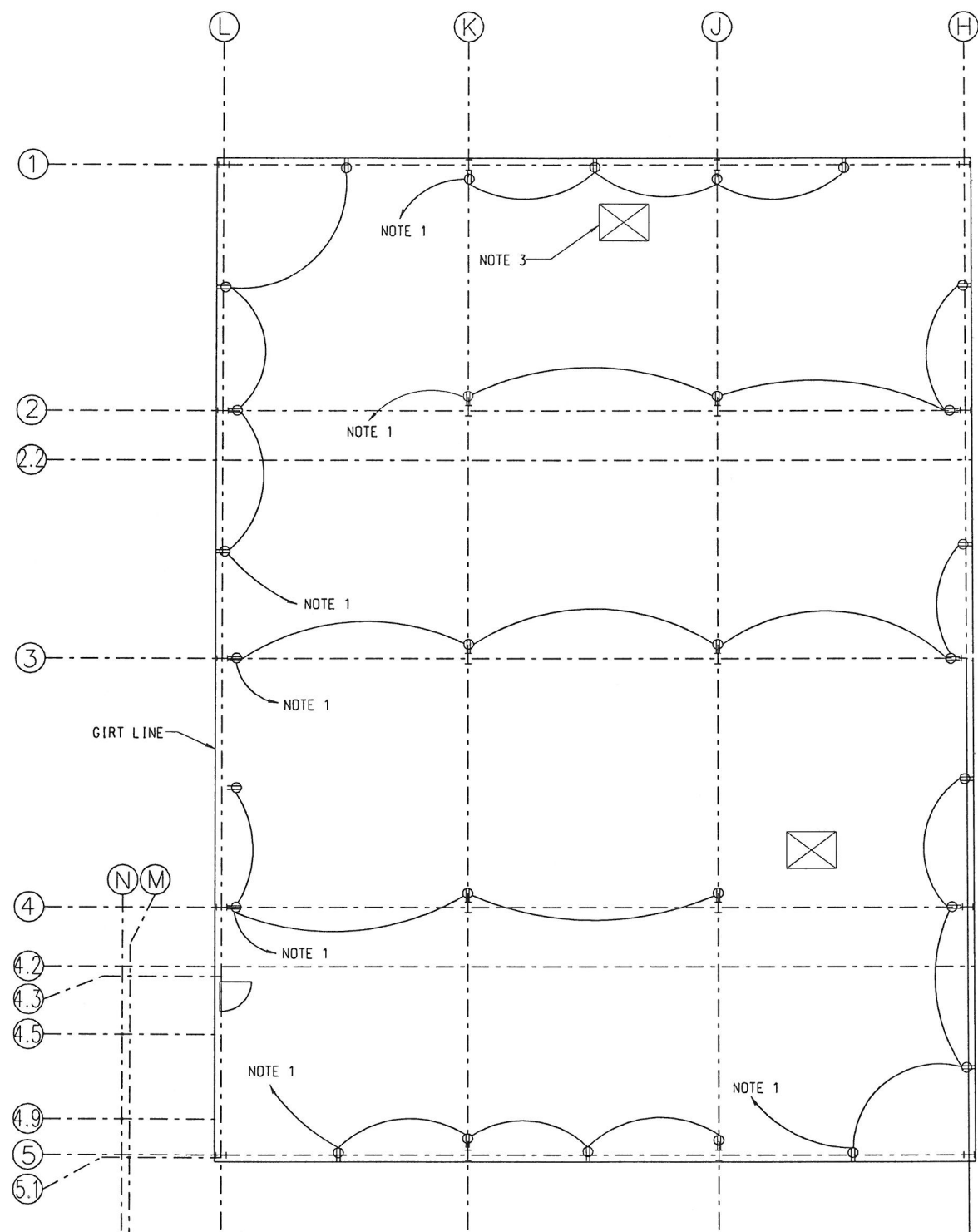
D DOOR HEAD
S003 SCALE: 1 1/2" = 1'-0"



E JAMB DETAIL
S003 SCALE: 1 1/2" = 1'-0"

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.										PAGE		OF	
REV	APPROVED DATE	DESCRIPTION						JCN	REDLINE DATE	APVD			
<p>DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</p> <p>NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION STRUCTURAL DETAILS</p>													
<p>WESTBURY (NY TRACON) NY</p> <p>REVIEWED BY: SUBMITTED BY: APPROVED BY:</p>													
<p>DESIGNED: RAB ISSUED BY: DATE: 12/17/2010 JCN: 82514</p> <p>DRAWN: CRK ATLANTA TERMINAL ENGINEERING CENTER DRAWING NO: N90-TRACON-S003</p> <p>CHECKED: AI</p>													

7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328
HEI JOB NUMBER: 09019.02



1 GRATING PLATFORM POWER PLAN
E001 SCALE: 1/8" = 1'-0"

NOTES:

1. CIRCUIT TO BE COORDINATED WITH FAA RE.
2. MOUNT RECEPTACLES AT 18" ABOVE GRATING. (TYPICAL)
3. PROVIDE CIRCUIT FOR HOIST TO BE COORDINATED WITH RE.

ELECTRICAL SYMBOLS:

- + WALL-MOUNTED MOVABLE LIGHT, LITHONIA CAT #OFTH 300PR 120 WH OR EQUIVALENT
- ⊕ DUPLEX RECEPTACLE
- S SINGLE POLE TOGGLE SWITCH MOUNTED 4'-6" AFF. UNLESS NOTED OTHERWISE

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE	OF
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION ELECTRICAL GRATING PLATFORM POWER PLAN					
WESTBURY (NY TRACON)			NY		
DESIGNED	CRK	ISSUED BY	DATE	12/17/2010	JCN 82514
DRAWN	CRK	ATLANTA TERMINAL ENGINEERING CENTER	DRAWING NO	N90-TRACON-E001	
CHECKED	AI				

7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328

HEI JOB NUMBER: 09019.02

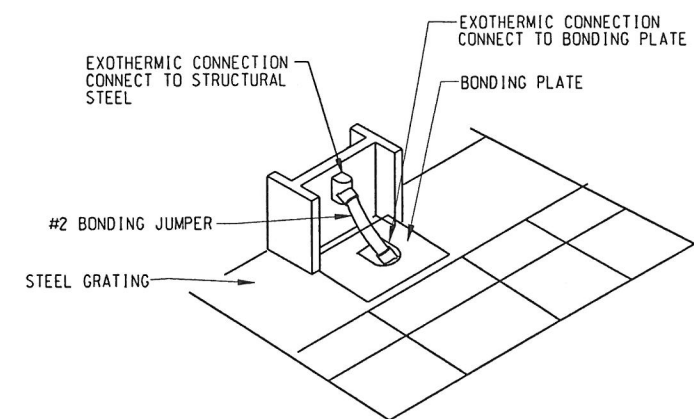
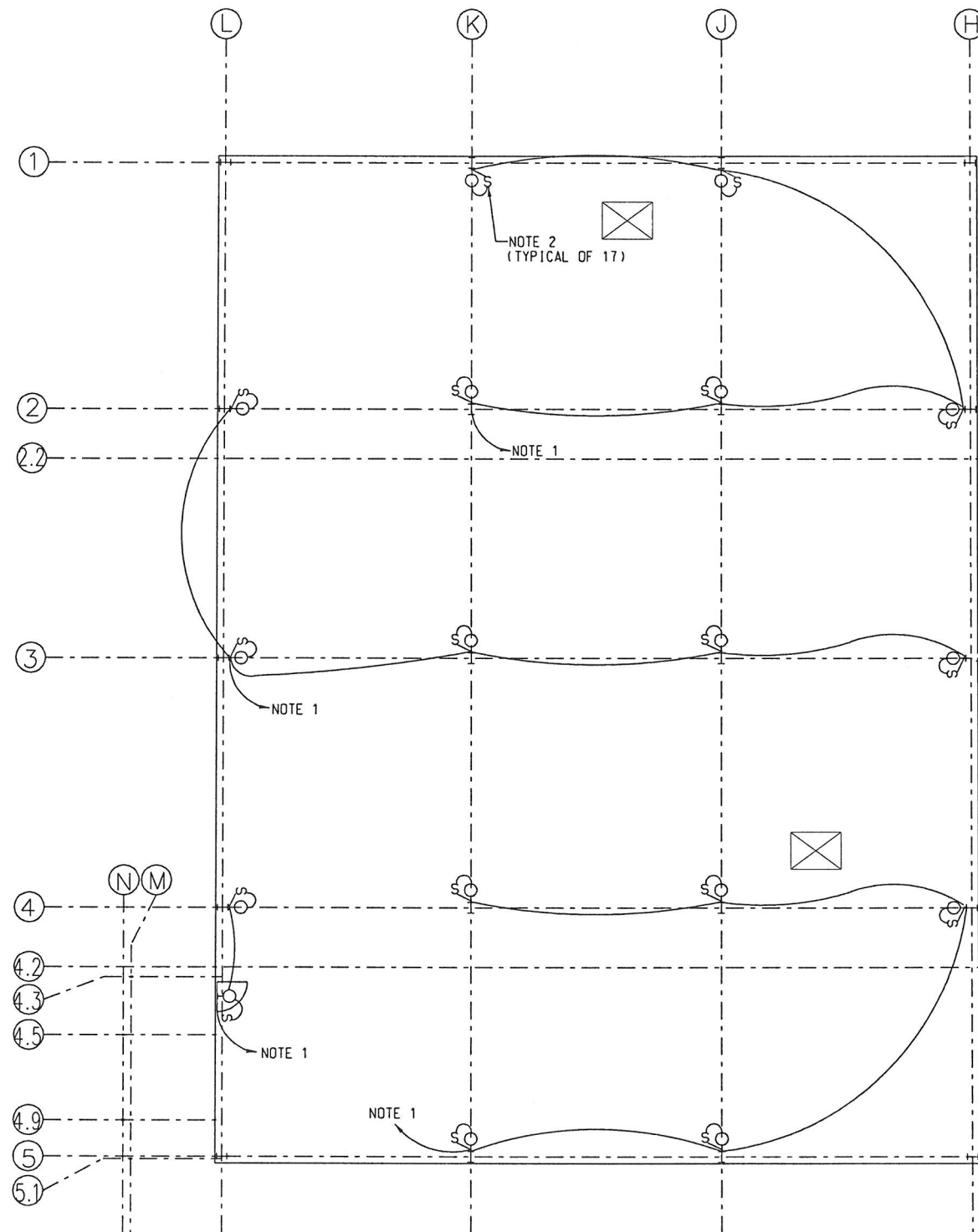
HARTRAMPF

1. CIRCUIT TO BE COORDINATED WITH FAA RE.
2. MOUNT SWITCHES AT 46" ABOVE GRATING, (TYPICAL)

○ WALL-MOUNTED MOVABLE LIGHT.
LITHONIA CAT #0FTH 300PR 120 WH OR EQUIVALENT

⊕ DUPLEX RECEPTACLE

S SINGLE POLE TOGGLE SWITCH MOUNTED 4'-6" AFF.
UNLESS NOTED OTHERWISE



NOTE:
PROVIDE GROUNDING AT EACH COLUMN AND TO EVERY OTHER BEAM AT NO MORE THAN 10 FOOT SPACINGS AND AT A MINIMUM OF 2 PER EVERY 100 SF.

A GROUNDING DETAIL
E002 SCALE: NONE


1 GRATING PLATFORM LIGHTING PLAN
E002 SCALE: 1/8" = 1'-0"

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.										PAGE		OF												
<div><div><div>HARTRAMPF</div></div><div>7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328</div><div>HEI JOB NUMBER: 09019.02</div></div>																								
														REV	APPROVED DATE		DESCRIPTION						JCN	REDLINE DATE
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																								
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION ELECTRICAL GRATING PLATFORM LIGHTING PLAN AND DETAIL																								
WESTBURY										(NY TRACON)				NY										
REVIEWED BY		SUBMITTED BY						APPROVED BY																
		DESIGNED		CRK		ISSUED BY		DATE		12/17/2010		JCN		82514										
		DRAWN		CRK		ATLANTA TERMINAL ENGINEERING CENTER		DRAWING NO						REV										
		CHECKED		AI																				
N90-TRACON-E002																								

1. THE DESIGN OF THE OWNER LEVEL (UNDER NEW GRATE FLOORING) PRE-ACTION SYSTEM IS SCHEMATIC AND IS FOR BID PURPOSES ONLY. ALL EXISTING CONDITIONS, WATER SUPPLY, PIPE SIZES, AND ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNATED FAA/OWNERS REPRESENTATIVE BEFORE WORK IS STARTED.
2. THE CONTRACTOR SHALL PROVIDE A NEW 6-INCH DOUBLE INTERLOCK CABINET, AND EXPAND THE EXISTING PREACTION AUTOMATIC SPRINKLER SYSTEM PER THE REQUIREMENTS OF THE LATEST EDITIONS OF NFPA 13, 14, 20, 70 & 72 (NFPA).
3. AS-BUILT DRAWINGS (ARCHITECTURAL, STRUCTURAL, CIVIL, PLUMBING, MECHANICAL, FIRE ALARM, AND ELECTRICAL) ARE TO BE OBTAINED FROM THE OWNER AND MUST BE USED IN COMBINATION WITH THESE DRAWINGS TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. SPRINKLER CONTRACTOR SHALL COORDINATE THE SPRINKLER DESIGN WITH ANY OTHER CONTRACTOR'S AND DRAWINGS FROM OTHER DISCIPLINES.
4. THE EXISTING 4-INCH PREACTION VALVE CABINET AND ASSOCIATED SYSTEM PIPING & HANGERS SHALL BE DEMOLISHED AS SHOWN ON THE FLOOR PLANS. A NEW PREACTION SYSTEM CABINET SHALL BE INSTALLED IN PLACE OF THE EXISTING 4-INCH PREACTION VALVE CABINET. THE CONTRACTOR SHALL INSPECT AND TEST THE NEW SYSTEM PRIOR TO THE APPROVAL BY THE FAA/OWNERS REPRESENTATIVE.
5. AUTOMATIC SPRINKLER SPACING, DENSITIES AND HYDRAULIC CALCULATIONS SHALL BE BASED ON ORDINARY HAZARD GROUP 1 REQUIREMENTS OF NFPA 13, 2010 EDITION.
6. SPRINKLER PIPING PENETRATIONS OF FIRE RESISTANCE RATED OR SMOKE BARRIER WALLS AND FLOORS SHALL BE SEALED USING LISTED FIRE AND/OR SMOKE STOPPING MATERIALS AND ASSEMBLIES, AS APPROPRIATE AND APPROVED BY THE FAA/OWNERS REPRESENTATIVE.
7. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR BURNED UNLESS PREVIOUSLY APPROVED BY THE ENGINEER AND THE STRUCTURAL ENGINEER. CONTRACTOR SHALL NOT CUT OR PATCH STRUCTURAL WORK IN A MANNER THAT WOULD RESULT IN A REDUCTION OF LOAD-CARRYING OR OF LOAD-DEFLECTION RATIO. PRIOR TO SUCH WORK, OBTAIN APPROVAL OF THE ENGINEER AND STRUCTURAL ENGINEER.
8. THE TERM "PROVIDE" SHALL MEAN THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT FOR A COMPLETE AND OPERATIONAL SYSTEM.
9. INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON EXISTING DOCUMENTS. THE INFORMATION CONTAINED HEREIN MAY REQUIRE ADJUSTMENTS AND/OR MODIFICATIONS TO CONFORM TO EXISTING CONDITIONS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE FAA/OWNERS REPRESENTATIVE IF ANY DISCREPANCY IN EXISTING CONDITIONS SHOULD PROHIBIT EXECUTION OF THE DESIGN INTENT OF THESE DRAWINGS.
10. THE CONTRACTOR SHALL CUT PIPE, REMOVE BURRS, OIL AND IMPURITIES PRIOR TO ENTERING INTERIOR CONSTRUCTION AREAS. ALL PIPING STORED IN INTERIOR CONSTRUCTION AREAS SHALL BE CAPPED AND SEALED TO MINIMIZE POTENTIAL CONTAMINATION WITH DEBRIS. CONTRACTOR SHALL PROVIDE PROPER STORAGE.
11. THE CONTRACTOR SHALL EMPLOY EXTREME CARE WHEN WORKING NEAR FACILITY CONTROL EQUIPMENT. EQUIPMENT SHALL BE PROTECTED BY MATERIALS AND METHODS THAT PROTECT EQUIPMENT, WHILE PERMITTING CONTINUED OPERATION. PROTECTION METHODS SHALL BE SUBMITTED AND APPROVED BY THE RE PRIOR TO USE.
12. WHERE AUTOMATIC SPRINKLERS ARE EXPOSED TO MECHANICAL DAMAGE OR ARE LOCATED LESS THAN 7 FEET ABOVE FINISHED FLOORS, LISTED SPRINKLER-GUARDS SHALL BE PROVIDED. ALL UPRIGHT TYPE SPRINKLERS PROVIDED UNDER OBSTRUCTIONS SHALL BE PROVIDED WITH LISTED SPRINKLER GUARDS.
13. AUTOMATIC SPRINKLERS SHALL PROVIDE UNIFORM COVERAGE THROUGHOUT THE PROTECTED AREA PER NFPA 13, 2010 EDITION.
14. PROVIDE AUTOMATIC SPRINKLERS UNDER ALL EXISTING DUCT WORK, CABLE TRAYS, AND SIMILAR OBSTRUCTIONS, AND AS SHOWN ON THE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE OF OBSTRUCTIONS.
15. NEW PREACTION SYSTEM SPRINKLERS SHALL BE INTERMEDIATE RACK/STORAGE SPRINKLERS, STANDARD RESPONSE, STANDARD TEMPERATURE, UPRIGHT SPRINKLERS UNLESS OTHERWISE NOTED. NEW SPRINKLERS SHALL BE ADDED TO THE EXISTING PREACTION SYSTEM LOCATED IN THE EQUIPMENT ROOM #165 UNDER THE NEW GRATE FLOORING.
16. THE FOLLOWING AVAILABLE WATER SUPPLY INFORMATION, WHICH IS CONSIDERED AVAILABLE AT THE ON SITE HYDRANT LOCATED ALONG THE EAST SIDE OF THE SITE (CAPPED AND FLOW HYDRANTS), IS BEING PROVIDED FOR BIDDING PURPOSES.

FINAL HYDRAULIC CALCULATIONS SHALL BE BASED ON THE LESSER OF THE ABOVE AVAILABLE WATER SUPPLY INFORMATION AND AN UPDATED HYDRANT FLOW TEST OF THE SITE WATER SUPPLY DISTRIBUTION SYSTEM IN THE IMMEDIATE AREA OF THE PROJECT CONDUCTED BY THE CONTRACTOR AND THE CITY OF WESTBURY NEW YORK. CONTRACTOR SHALL ALSO PERFORM A 24-HOUR PRESSURE RECORDING IMMEDIATELY FOLLOWING THE HYDRANT FLOW TEST. BOTH THE RESULTS OF THE HYDRANT FLOW TEST AND 24-HOUR PRESSURE RECORDING SHALL BE SUBMITTED TO THE FAA FOR REVIEW AND APPROVAL PRIOR TO THE DEVELOPMENT OF SPRINKLER SHOP DRAWINGS

20. THE CONTRACTOR SHALL RECONNECT THE NEW PRE-ACTION SYSTEM 2-INCH DRAIN TO THE EXISTING 2-INCH OUTSIDE DRAIN.

	POINT OF CONNECTION - CONNECT NEW TO EXISTING
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SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE		OF	
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD		
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION SPRINKLER SYSTEM GENERAL NOTES AND LEGEND							
WESTBURY				(NY TRACON)		NY	
REVIEWED BY		SUBMITTED BY			APPROVED BY		
		DESIGNED MB		ISSUED BY		DATE 12/17/2010 JCN 82514	
		DRAWN CRK		ATLANTA TERMINAL ENGINEERING CENTER		DRAWING NO	
		CHECKED AI				REV	

7000 CENTRAL PARKWAY, SUITE 1475
 ATLANTA, GEORGIA 30328

HEI JOB NUMBER: 09019.02

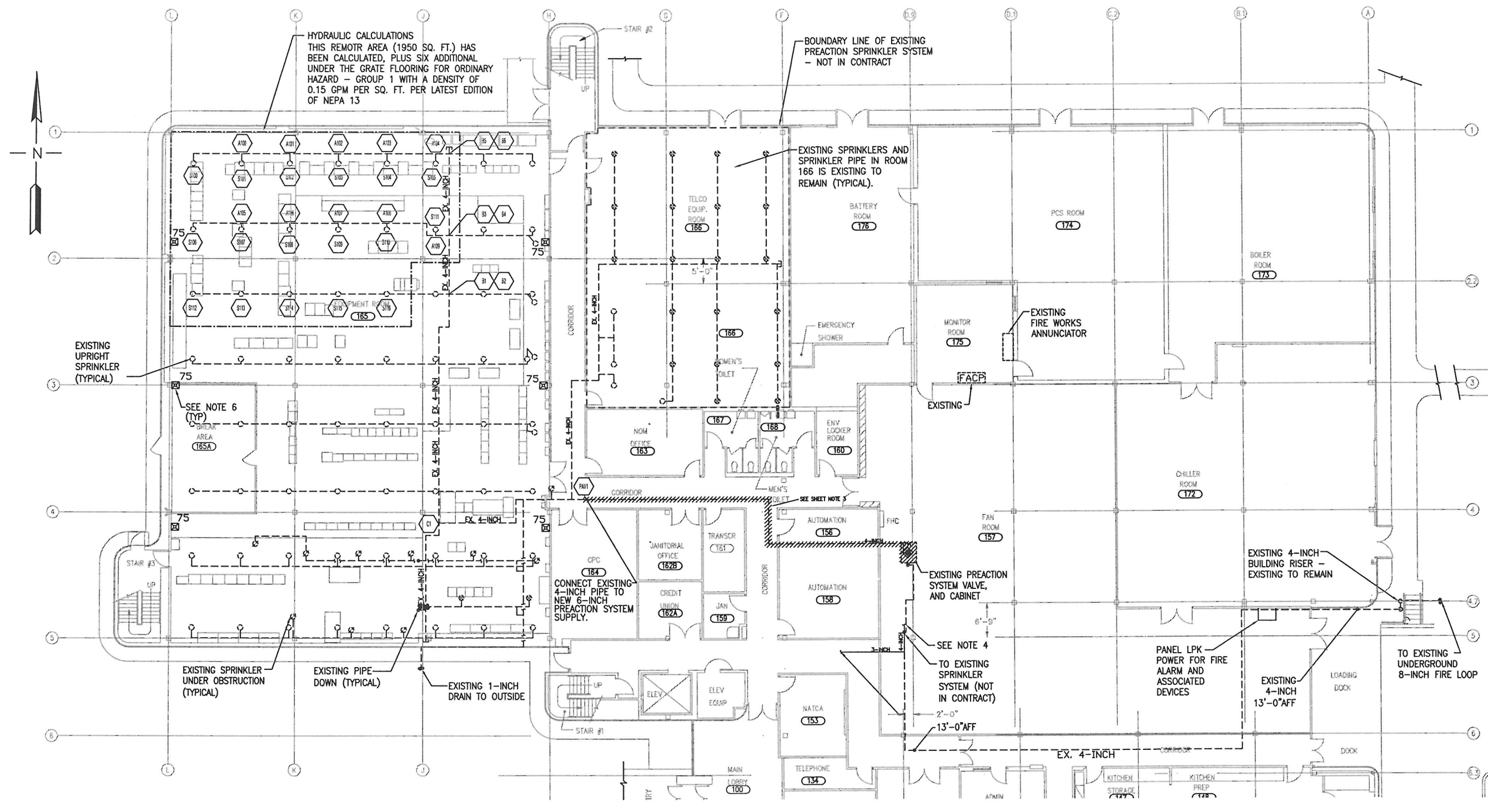
FIRE ALARM NOTES:

1. THE CONTRACTOR SHALL COORDINATE, WITH THE FACILITY FIRE ALARM CONTRACTOR, THE INTERCONNECTION OF THE NEW PREPACKAGED PREACTION SPRINKLER SYSTEM RELEASE PANEL AUXILIARY DRY CONTACTS WITH THE EXISTING BUILDING FIRE ALARM SYSTEM FOR THE PURPOSE OF MONITORING SUPERVISORY, TROUBLE, AND ALARM CONDITIONS, AS WELL AS RECEIVING OUTPUT SIGNALS FOR INITIATING PREACTION RELEASE SOLENOIDS. CONNECTION OF DRY CONTACTS WITH FIRE ALARM SYSTEM MODULES AND RELAYS SHALL BE PERFORMED BY THE FIRE ALARM CONTRACTOR. SPRINKLER CONTRACTOR SHALL INCUR ALL PROGRAMMING FEES ASSOCIATED WITH MONITORING OF PREACTION SYSTEM AND COORDINATION OF PREACTION SYSTEM POINTS WITH EXISTING BUILDING FIRE ALARM SYSTEM GRAPHICAL INTERFACE.
2. THE DESIGN AND INSTALLATION OF NEW DETECTORS FOR THE NEW PREACTION SPRINKLER SYSTEM UNDER THE GRATE FLOORING SHALL COMPLY WITH THE LATEST EDITIONS OF NFPA 70 AND 72.
3. THE NEW SMOKE DETECTORS (TYPICAL OF 12) SHALL BE INSTALLED UNDER THE NEW GRATE FLOORING AND LOCATED AS SHOWN ON THE FIRE ALARM FLOOR PLAN. CONNECT THE NEW SMOKE DETECTORS TO THE EXISTING BUILDING FIRE ALARM SYSTEM. PROVIDE PLATE ON THE BACK SIDE OF THE SMOKE DETECTOR BASE TO ELIMINATE FOREIGN OBJECTS TO FALL.
4. THE FIRE ALARM CONTROL PANEL (FACP) IS LOCATED IN ROOM # 175.

FIRE ALARM LEGEND

② SMOKE DETECTOR

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.										PAGE		OF			
REV	APPROVED DATE	DESCRIPTION								JCN	REDLINE DATE	APVD			
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION FIRE ALARM SYSTEM GENERAL NOTES AND LEGEND															
WESTBURY (NY TRACON) NY															
REVIEWED BY		SUBMITTED BY								APPROVED BY					
		DESIGNED MB		ISSUED BY		DATE 12/17/2010		JCN 82514							
		DRAWN CPM		ATLANTA TERMINAL ENGINEERING CENTER		DRAWING NO				REV					
		CHECKED AI								N90-TRACON- F001					
7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328 HEI JOB NUMBER: 09019.02															

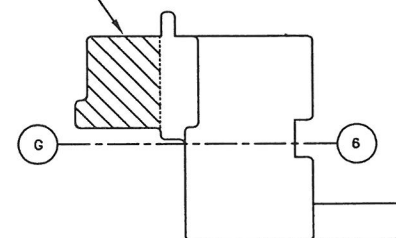


- # NOTES
1. THIS DRAWING IS FOR BID AND DEMO PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, SPRINKLER HEAD LOCATIONS, PIPE SIZES, PIPE LENGTHS AND PIPE FITTINGS FOR HYDRAULIC CALCULATIONS.
 2. SEE CIVIL SITE PLAN DRAWING FP1.02 FOR LOCATION OF NEW FIRE 6-INCH UNDERGROUND WATER SUPPLY AND OTHER ASSOCIATED EQUIPMENT TO COMPLETE THE HYDRAULIC CALCULATIONS.
 3. CONTRACTOR SHALL DEMOLISH EXISTING PRE-ACTION VALVE, ENCLOSURE, PIPE, HANGERS AND ALL ASSOCIATED EQUIPMENT AS INDICATED ON THE DRAWING. THE NEW 6-INCH PREACTION VALVE CABINET SHALL BE INSTALLED IN THE SAME LOCATION AS THE EXISTING 4-INCH PREACTION CABINET.
 4. CONTRACTOR SHALL CONNECT EXISTING 4-INCH PIPE FEED FROM BUILDING FIRE DEPARTMENT CONNECTION SUPPLY TO NEW 6-INCH PREACTION VALVE CABINET FIRE DEPARTMENT 4-INCH CONNECTION.
 5. CONTRACTOR SHALL ADD SPRINKLER GUARDS TO THE EXISTING SPRINKLERS LOCATED AT THE CEILING LEVEL.
 6. PROVIDE STROBE NOTIFICATION ABOVE THE NEW GRATE FLOOR IN COMPLIANCE WITH NFPA 72. ALL NEW STROBES SHALL BE SYNCHRONIZED WITH EXISTING STROBES BELOW THE GRATE FLOORING. PROVIDE NEW POWER SUPPLY AS NEEDED.

FIRST FLOOR EXISTING UPPER LEVEL
PREACTION SYSTEM ROOM 165

1 PREACTION
F100 SCALE: 3/32"=1'-0"

CONTRACT AREA - FIRST FLOOR
EQUIPMENT ROOM




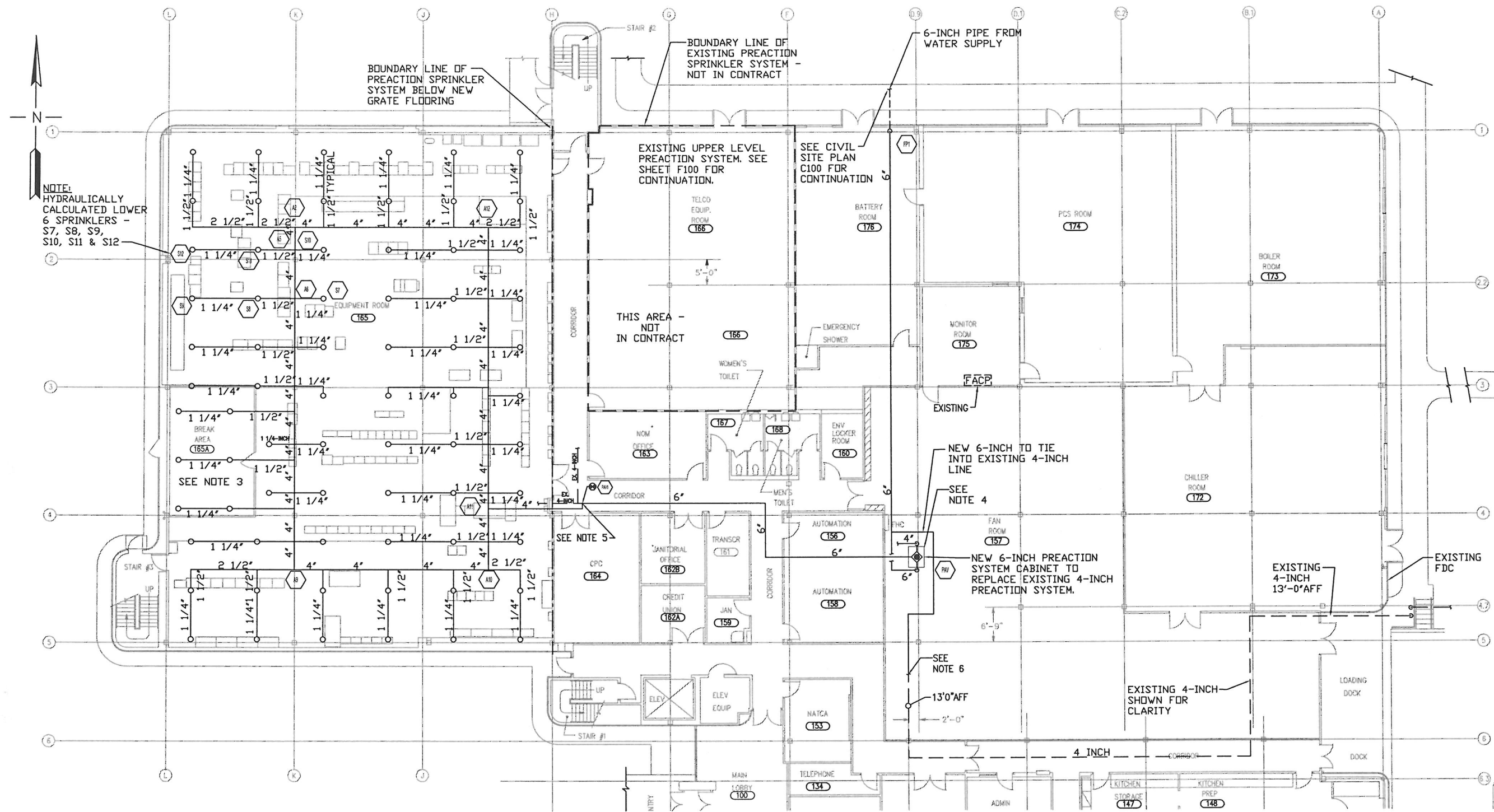
KEY PLAN
NOT TO SCALE

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7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328

HEI JOB NUMBER: 09019.02

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REV	APPROVED DATE	DESCRIPTION	JCN
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION FIRST FLOOR EXISTING UPPER LEVEL PREACTION SYSTEM ROOM 16A WESTBURY (NY TRACON)			
		REVIEWED BY	
		SUBMITTED BY	
		APPROVED BY	
		DESIGNED JPS	
		DRAWN JPS	
		CHECKED MWR	
		ISSUED BY	
		ATLANTA TERMINAL ENGINEERING CENTER	
		DATE 12/17/2010 JCN	
		DRAWING NO N90-TRACON-F100	



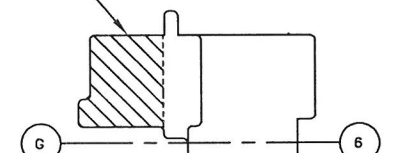
NOTES

1. THE DESIGN OF THE LOWER LEVEL (UNDER NEW GRATE FLOORING) PREACTION SYSTEM IS SCHEMATIC AND IS FOR BID PURPOSES ONLY. ALL EXISTING CONDITIONS, WATER SUPPLY, PIPE SIZES, AND ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNATED FAA/OWNERS REPRESENTATIVE BEFORE WORK IS STARTED.
2. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW 6-INCH PIPE WITH FAA/OWNERS REPRESENTATIVE FROM NEW UNDERGROUND "STUB-UP" IN BATTERY ROOM #176 TO NEW 6-INCH PREACTION VALVE CABINET IN FAN ROOM #157.
3. THE EXISTING BREAK AREA IN EQUIPMENT ROOM #165 IS FULLY PROTECTED BY THE EXISTING CEILING SPRINKLER SYSTEM. NO WORK IS ANTICIPATED IN THE EXISTING BREAK ROOM UNDER THIS CONTRACT.
4. NEW PREACTION SYSTEM VALVE AND CABINET LOCATED FOR BID PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH FAA REPRESENTATIVE.
5. CONTRACTOR SHALL CONNECT NEW 6-INCH PIPE FEED FROM NEW PREACTION VALVE TO EXISTING 4-INCH PIPE FEED TO CEILING SYSTEM IN EQUIPMENT ROOM #165 AND TELCO EQUIPMENT ROOM.
6. CONTRACTOR SHALL CONNECT THE EXISTING 4" SUPPLY TO THE NEW 6" SUPPLY BEFORE THE PREACTION SYSTEM.

10' 5' 0 10' 20'
3/32" = 1'-0"

1
F101 FIRST FLOOR PLAN NEW LOWER LEVEL PREACTION SYSTEM ROOM 165
SCALE: 3/32"=1'-0"

CONTRACT AREA - FIRST FLOOR
TELCO ROOM

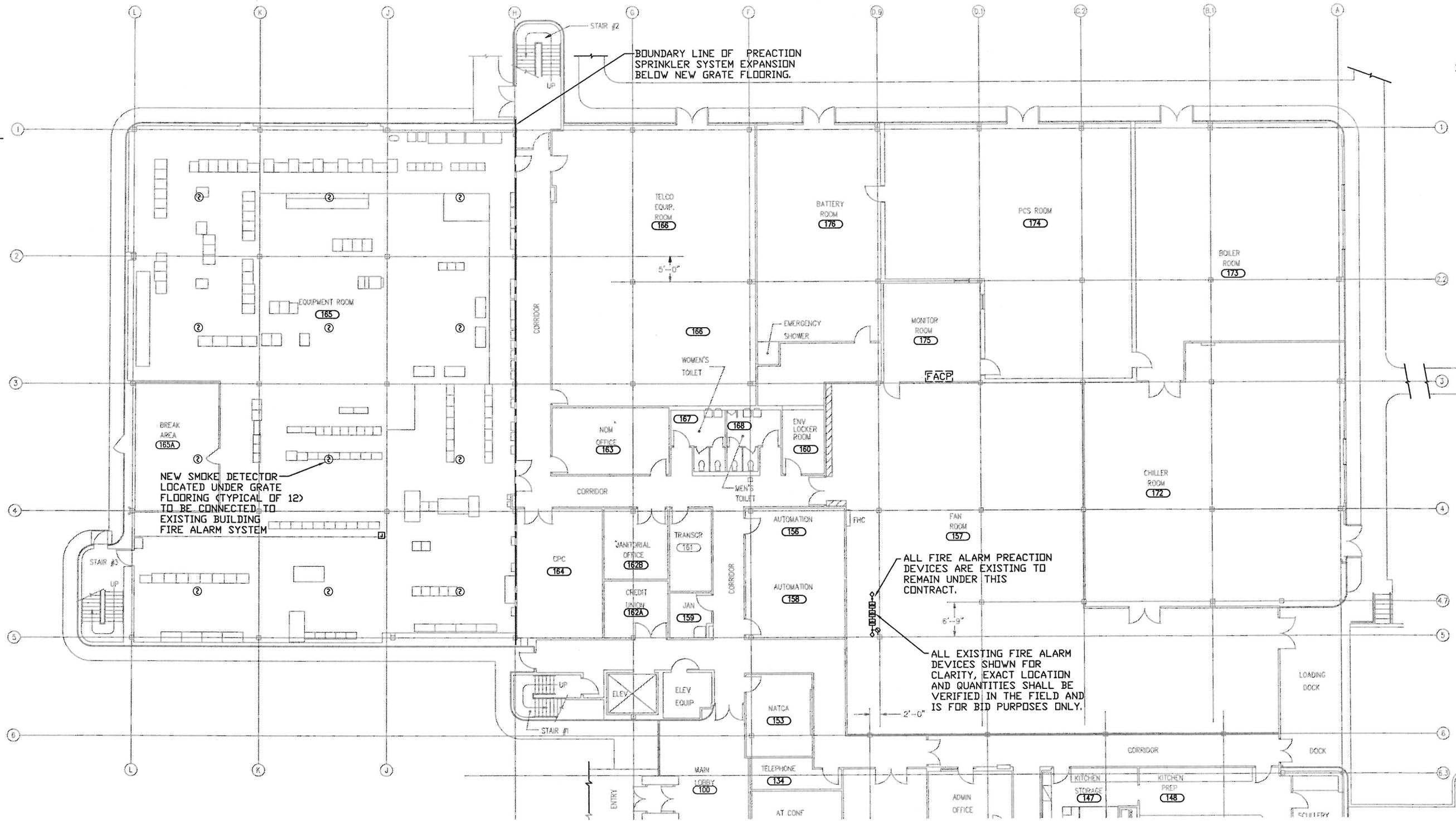
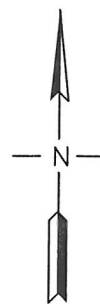


KEY PLAN
NOT TO SCALE

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE	OF
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION FIRST FLOOR PLAN LOWER LEVEL PREACTION SYSTEM ROOM 165					
WESTBURY (NY TRACON)			NY		
DESIGNED	JPS	ISSUED BY	ATLANTA TERMINAL ENGINEERING CENTER	DATE	12/17/2010
DRAWN	JPS	DATE	12/17/2010	JCN	
CHECKED	MWB	DRAWING NO	N90-TRACON-F101	REV	



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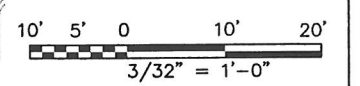


NOTES

1. THE CONTRACTOR SHALL RECONNECT ALL EXISTING FIRE ALARM PREACTION SYSTEM DEVICES AFTER NEW 6-INCH PREACTION SYSTEM CABINET HAS BEEN INSTALLED. THE CONTRACTOR SHALL PRE-TEST ALL CONNECTION MADE, THE NEW PREACTION SYSTEM SHALL BE INSPECTED, TESTED AND APPROVED BY THE FAA REPRESENTATIVE.

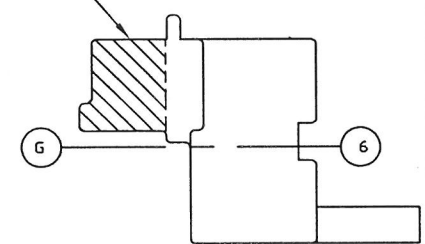
ALL FIRE ALARM PREACTION DEVICES ARE EXISTING TO REMAIN UNDER THIS CONTRACT.

ALL EXISTING FIRE ALARM DEVICES SHOWN FOR CLARITY, EXACT LOCATION AND QUANTITIES SHALL BE VERIFIED IN THE FIELD AND IS FOR BID PURPOSES ONLY.



**FIRST FLOOR
PREACTION FIRE DETECTION PLAN**
1 F200 SCALE: 3/32"=1'-0"

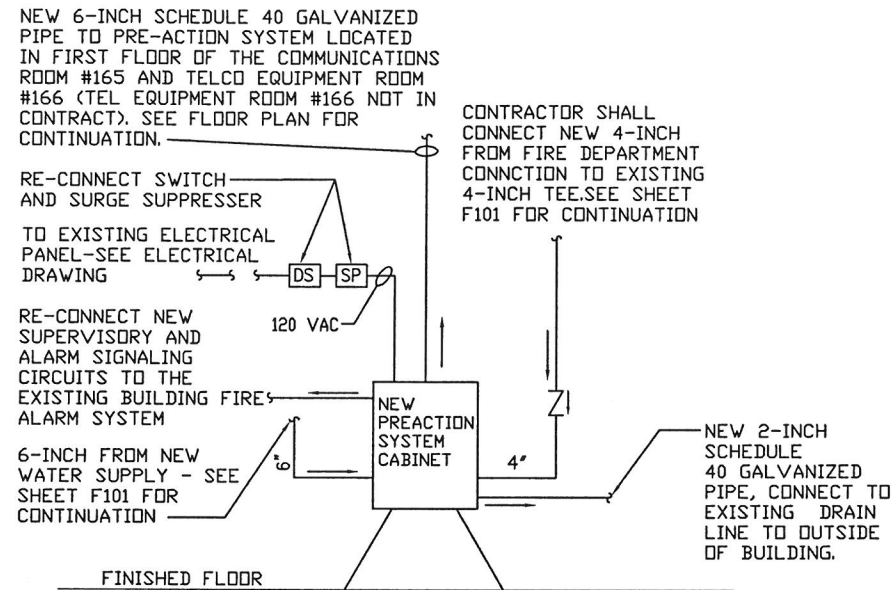
CONTRACT AREA - FIRST FLOOR
TELCO ROOM



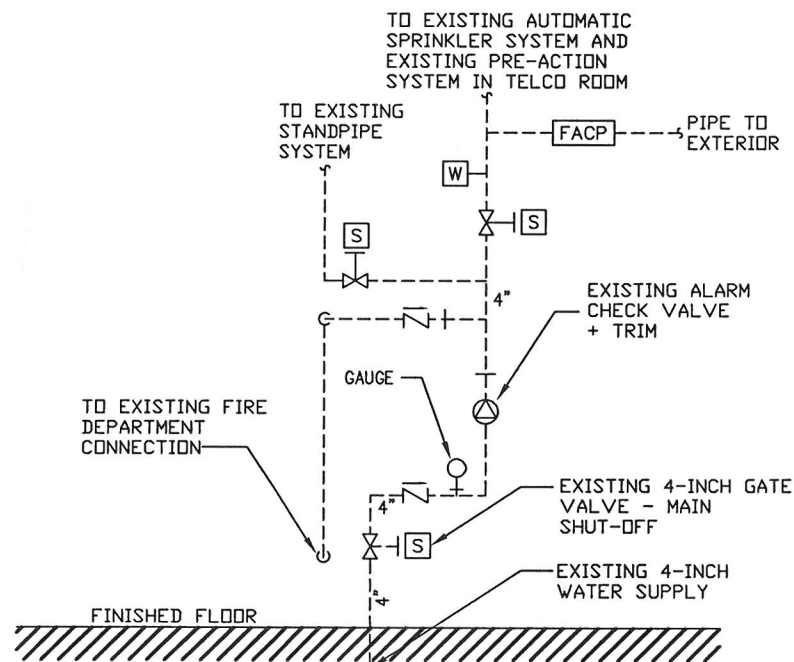
KEY PLAN
NOT TO SCALE

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE OF	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION FIRST FLOOR PREACTION FIRE DETECTION PLAN					
WESTBURY		(NY TRACON)		NY	
REVIEWED BY	SUBMITTED BY	APPROVED BY			
DESIGNED BY JPS	ISSUED BY ATLANTA TERMINAL ENGINEERING CENTER	DATE 12/17/2010	JCN		
DRAWN JPS		DRAWING NO N90-TRACON-F200			
CHECKED MMB					

7000 CENTRAL PARKWAY, SUITE 1475
ATLANTA, GEORGIA 30328
HEI JOB NUMBER: 09019.02

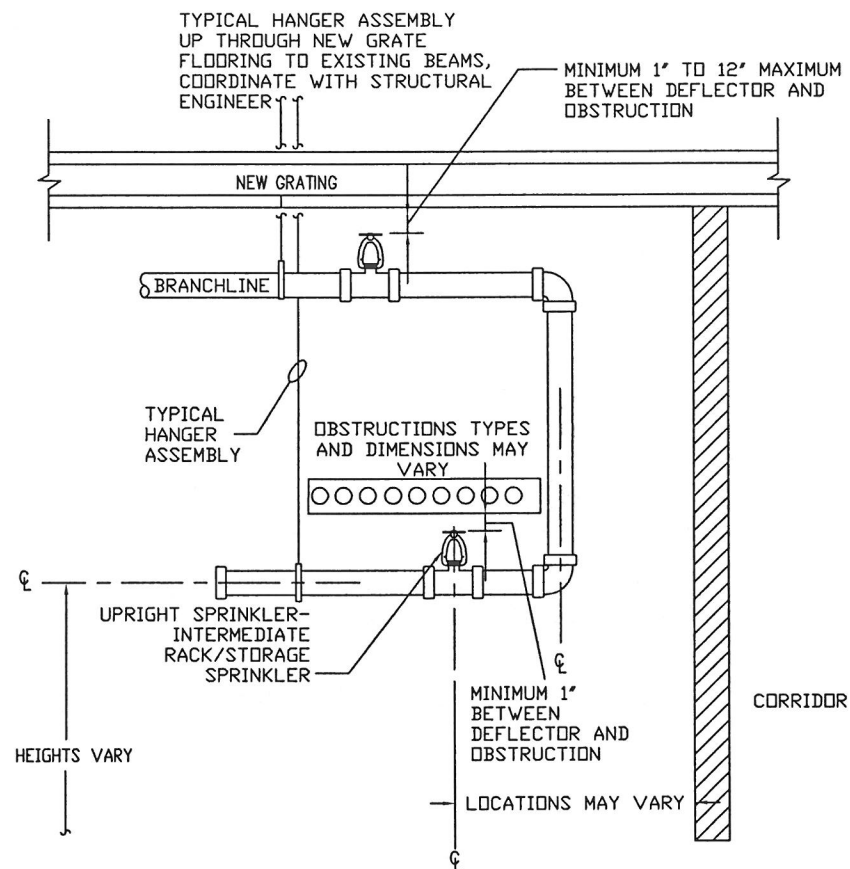


1 DOUBLE INTERLOCK PRE-ACTION SYSTEM
F600 SCALE: NONE

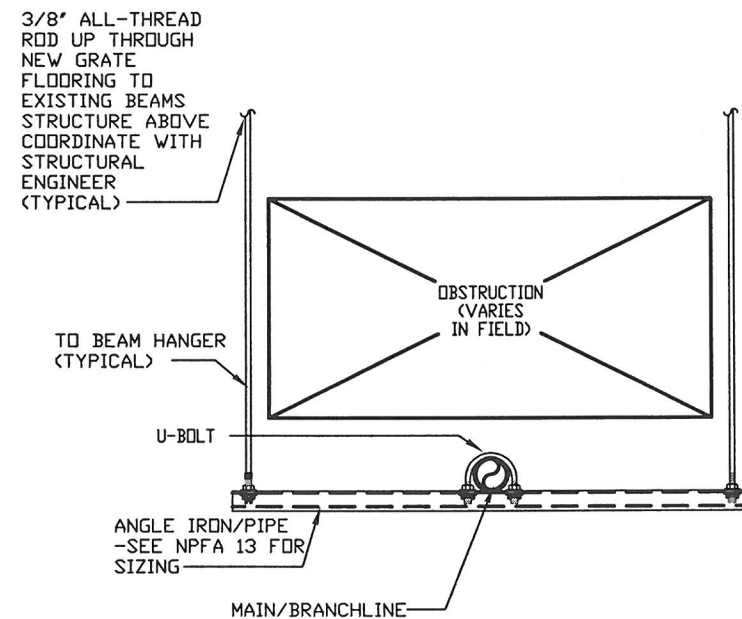


NOTE: SHOWN FOR INFORMATION PURPOSES ONLY FOR WATER SUPPLY SHUTOFF FOR EXISTING BUILDING FIRE PROTECTION SYSTEM. COORDINATE WITH FAA/OWNERS REPRESENTATIVE FOR EXACT LOCATION AND OPERATION OF THE GATE VALVE.

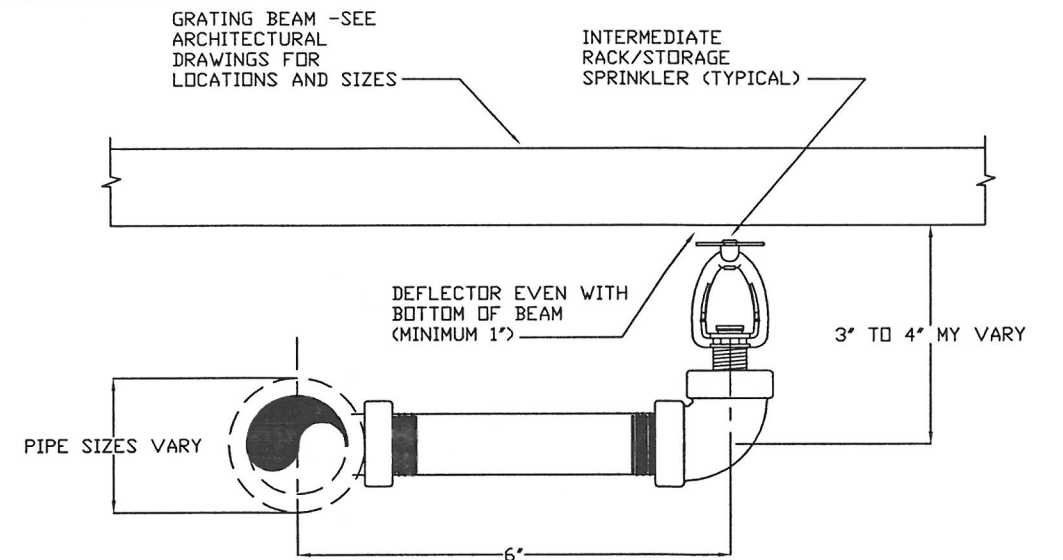
4 EXISTING 4-INCH MAIN SHUT-OFF
F600 SCALE: NONE



2 PIPING UNDER OBSTRUCTION
F600 SCALE: NONE

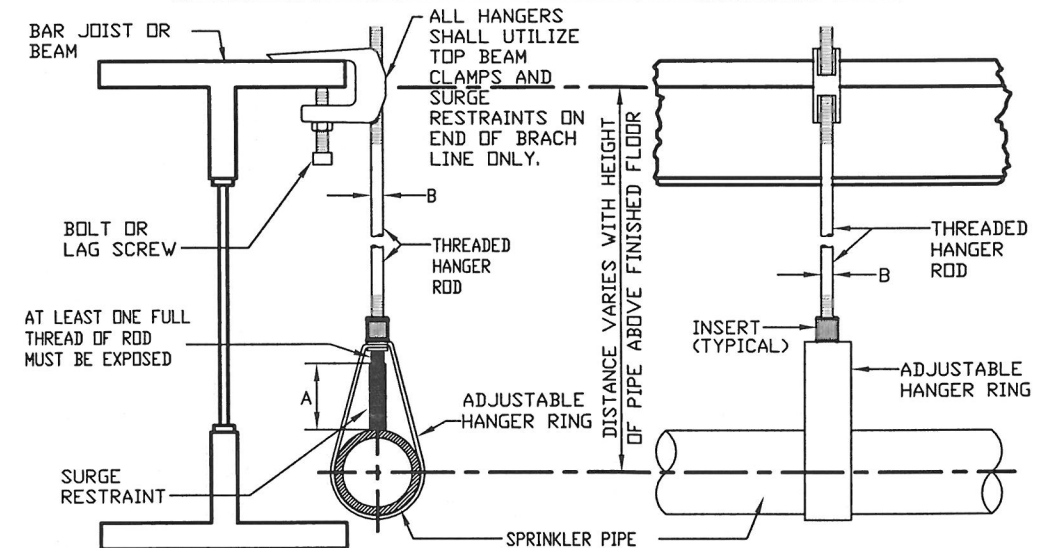


5 TRAPEZE HANGER
F600 SCALE: NONE



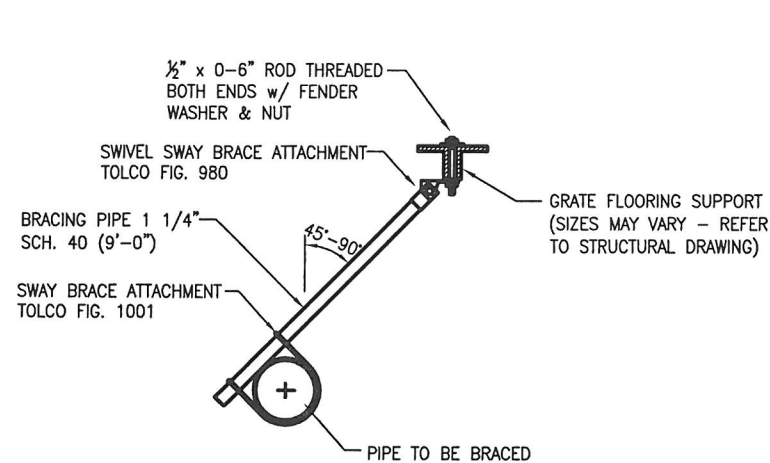
3 TYPICAL UPRIGHT SPRINKLER ARAMOVER
F600 SCALE: NONE

ALL SIZES IN INCHES	NOMINAL PIPE SIZE								
	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
HANGER TAKEOUT (A)	1/2"	3/4"	1"	1 1/4"	1 3/4"	2"	2 1/2"	3"	3 3/4"
ROD DIAMETER (B)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
SIZE OF BOLT/LAG SCREW	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"

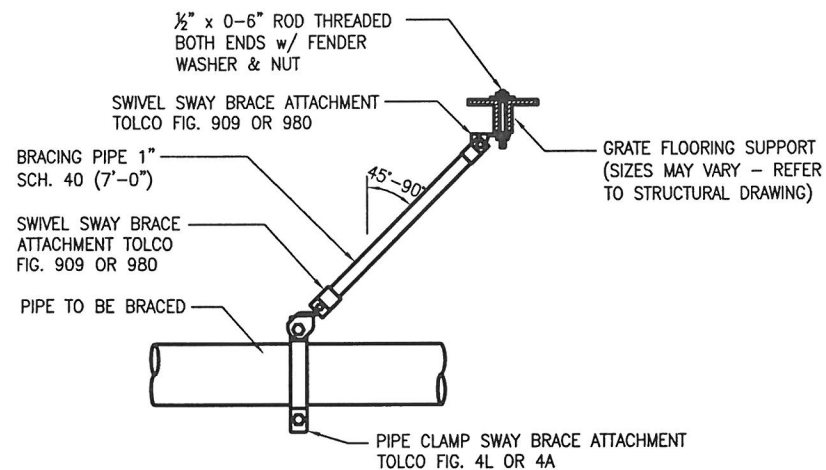


6 PIPE HANGER - BEAM CLAMP
F600 SCALE: NONE

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE	OF
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION DETAILS					
WESTBURY			(NY TRACON) NY		
DESIGNED	JPS	ISSUED BY	ATLANTA TERMINAL ENGINEERING CENTER	DATE	12/17/2010
DRAWN	JPS	CHECKED	MWB	DRAWING NO	N90-TRACON-F600
7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328 HEI JOB NUMBER: 09019.02					



THIS DETAIL IS INTENDED TO SHOW A MINIMUM LEVEL OF PROTECTION. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH OTHER TRADES AND PROVIDE THE NECESSARY BRACING AND ATTACHMENTS PER NFPA 13. RIGID BRACING AND ATTACHMENTS SHALL BE UL LISTED AND/OR FM APPROVED FOR FIRE PROTECTION USE. CABLE AND/OR WIRE TYPE BRACING SHALL NOT BE CONSIDERED AN APPROVED METHOD OF BRACING THE FIRE PROTECTION SYSTEMS.



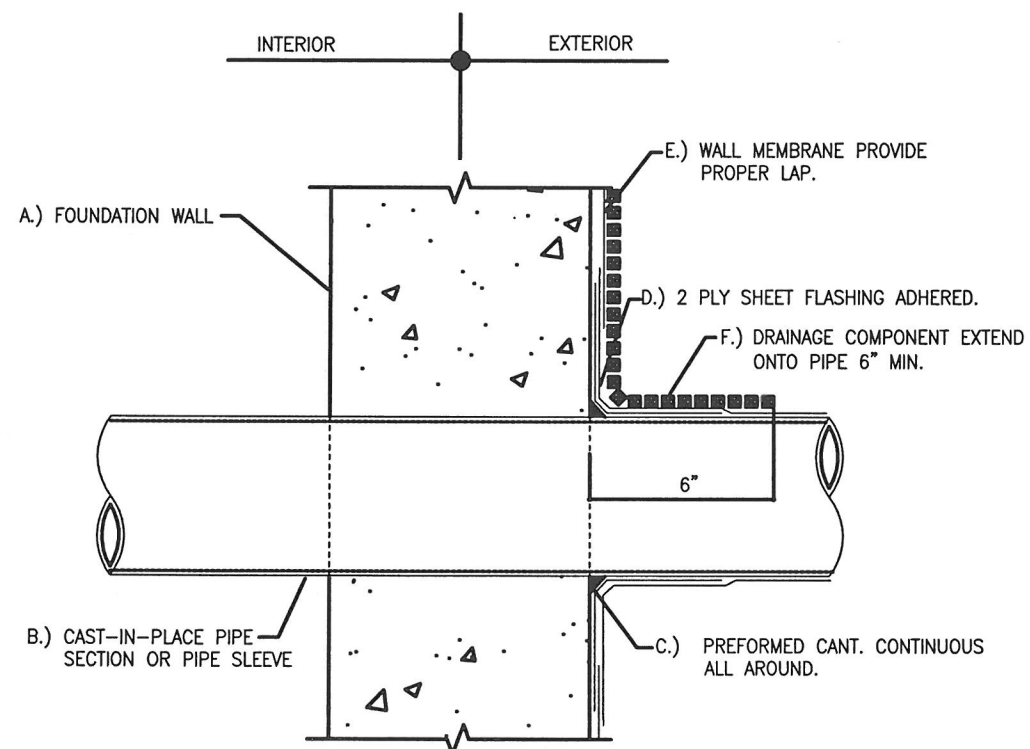
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1 LATERAL SEISMIC BRACING

F601 SCALE: NONE

2 LONGITUDINAL SEISMIC BRACING

F601 SCALE: NONE



NOTE:
REINFORCING STEEL NOT SHOWN FOR CLARITY.

- A.) RESISTS EARTH LOADS TRANSFERS BLDG. LOADS TO FOOTER
- B.) CONVEYS FLUIDS TO OCCUPIED SPACE
- C.) REDUCES STRESS CONCENTRATION FOR MEMBRANE FLASHING
- D./E.) PROTECTS JOINT/WALL AGAINST WATER LEAKAGE.
- F.) REMOVE VAGRANT WATER TO SUBDRAIN SYSTEM.

3 WATER PIPE PENETRATION DETAIL

F601 SCALE: NONE

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.				PAGE	OF
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
NEW YORK TRACON EQUIPMENT ROOM GRATING PLATFORM ADDITION FIRE PROTECTION DETAILS					
WESTBURY			(NY TRACON) NY		
DESIGNED	JPS	ISSUED BY	DATE	12/17/2010	JCN
DRAWN	JPS	ATLANTA TERMINAL ENGINEERING CENTER	DRAWING NO	N90-TRACON-F601	
CHECKED	MWB				REV
7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328 HEI JOB NUMBER: 09019.02					